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**One Hundred And Twenty-Eighth
ANNUAL REPORT**

OF THE

**South Carolina State
Hospital**

FOR THE YEAR ENDING JUNE 30, 1951



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**Printed Under the Direction of the
State Budget and Control Board**

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FOR THE YEAR ENDING JUNE 30, 1951



Printed Under the Direction of the
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SOUTH CAROLINA STATE HOSPITAL

June 30, 1951

BOARD OF REGENTS

GEORGE A. BUCHANAN, JR., Chairman.....	Columbia
MRS. Wm. R. WALLACE.....	Chester
OLIN B. CHAMBERLAIN, M.D.....	Charleston
WILSON W. HARRIS.....	Clinton
C. M. TUCKER, JR.....	Pageland

MEDICAL STAFF

Full Time

CLEVE C. ODOM, M.D.
Superintendent
State Mental Health Authority

W. P. BECKMAN, M.D.
Clinical Director

EDW. M. BURN, M.D.
GLENN B. CARRIGAN, M.D.
JOE E. FREED, M.D.
Wm. S. HALL, M.D.

ELMER W. LONG, M.D.
Wm. G. MOREHOUSE, M.D.

GORDON R. WESTROPE, M.D.
Senior Assistant Physicians, Columbia Division

ALBERT M. EADDY, M.D.
EMMETT R. JOHNSON, M.D.
H. A. McELROY, M.D.
SOL B. McLENDON, M.D.
Senior Assistant Physicians, State Park Division

MEDICAL STAFF

Part Time

GEORGE BENET, M.D.
Chief Surgeon

JAMES W. FOUCHE, M.D.
Chest Surgeon

JOHN E. HOLLER, M.D.
Tuberculosis

GEORGE R. LAUB, M.D.
Eye, Ear, Nose and Throat

CHAS. J. LEMMON, JR., M.D.
Neurosurgeon

BEN N. MILLER, M.D.
Internal Medicine

AUSTIN T. MOORE, M.D.
Orthopedic Surgeon

THOS. A. PITTS, M.D.
Roentgenologist

JOHN R. TIMMONS, M.D.
General Surgeon

R. E. CHRISTMUS, D.D.S.
FLETCHER B. MATTHEWS, D.D.S.
Dentists, Part Time

MYRTLE E. MACKEY
Registered Pharmacist

MEDICAL AUXILIARY SERVICE

HOWARD W. PASCHAL
Chief Clinical Laboratory Technician

HARRY C. ALLISON
Chief X-ray Technician

ETHEL SHARPE
Chief Social Service

LILLIAN B. McINTOSH
Director Occupational Therapy

ELLA B. AIKEN
Librarian

FRANCES C. SHIMMEL
Director Recreational Therapy

NURSING DIVISION

BEULAH L. GARDNER, R.N.
Director of Nurses

MARTHA MOORE BRADLEY, R.N.
Director Nursing Education

CHAPLAINS

REV. J. OBERT KEMPSON
Columbia Division

REV. ROBERT H. WILSON
State Park Division

ADMINISTRATIVE DIVISION

LAUREN W. SHELLEY
Business Manager

THOS. F. STEVENSON, SR.
Treasurer

JOHN W. WHITEHOUSE
Personnel Officer

MEDICAL SUPERINTENDENTS

1. JOHN WARING PARKER, M.D.
January 1, 1837-1870
Recalled as assistant physician 1876
Remained until death October 11, 1882
2. JOSHUA FULTON ENSOR, M.D.
August 5, 1870-December 31, 1877
3. PETER E. GRIFFIN, M.D.
January 1, 1878-May 1891
4. JAMES WOODS BABCOCK, M.D.
August 1, 1891-March 14, 1914
5. T. J. STRAIT, M.D.
March 17, 1914-May 1, 1915
6. CHARLES FREDERICK WILLIAMS, M.D.
May 1, 1915-May 1, 1945
7. COYT HAM, M.D.
May 1, 1945-January 1, 1949
8. WM. PETER BECKMAN, M.D., Acting Superintendent
January 1, 1949-October 1, 1949
9. CLEVE C. ODOM, M.D.
October 1, 1949-July 1, 1951

REPORT OF THE REGENTS

Columbia, S. C., July 1, 1951.

*To His Excellency, James F. Byrnes, Governor of
South Carolina:*

The Board of Regents of the South Carolina State Hospital submits herewith to you and to the General Assembly its one hundred and twenty-eighth report, for the fiscal year 1950-1951.

As the Board pointed out in its report of last year, the first need of the South Carolina State Hospital, in its opinion, was improved administration. Out of good administration stems every other improvement.

In Dr. Cleve C. Odom, Superintendent; Dr. William P. Beckman, Clinical Director, and Mr. Lauren W. Shelley, Business Manager, the hospital had this year an administrative team that functioned to give the institution a sound business as well as a professional administration. The year was, therefore, a year of steady and consistent, if slow, gain for the hospital. Morale among both employees and patients was bettered. Various new activities, many of them improvised in the absence of sufficient funds, have been instituted and divers improvements in techniques and practices put into effect. With the appropriation of sufficient money these gains can be consolidated and extended, as they should be.

Unfortunately, however, this administrative team was disrupted by the resignation of Dr. Odom as Superintendent, accepted by the Board at its meeting June 21. Dr. Odom, whose outstanding record as a mental hospital administrator with the United States Army and with the United States Veterans Administration, gave promise of a similar tenure of progress for the hospital and for the State's mental health program in general, had accepted a position as head of Arkansas' State Hospital System.

Dr. William P. Beckman, Clinical Director, was appointed Acting Superintendent, effective July 1, 1951, and Dr. William S. Hall was appointed Acting Clinical Director, effective as of the same date. Dr. Beckman had previously served as Clinical Director and as Acting Superintendent for the nine months' interregnum prior to the election of Dr. Odom as Superintendent. His experience during this period and as Clinical Director under

Dr. Odom has given him an insight into the administrative problems of the hospital that no outsider could possess and the Board has high hopes for the continued improvement of the hospital under his administration.

HOSPITAL NEEDS

It seems to the Board that the keystone of the arch of any improvement in the mental health program of South Carolina must be the improvement of the State Hospital, South Carolina's main effort in the treatment of mental disease. The needs of the State Hospital are, primarily, three: additional personnel, additional repairs and additional construction. Every one is an immediate need.

The personnel problem of the hospital cannot be solved until the medical department has been put on a 40-hour week. The Board, however, does not recommend that this be undertaken overnight, but it does believe that the first step toward it should be made now by instituting a three-shift day and a 48-hour work week for medical personnel. Attendants are now required to work 60 and 72 hours a week, for inadequate pay. It is no wonder that the institution is grievously understaffed. And treatment in a mental hospital, especially, depends directly upon personnel. It goes up in both quality and results as personnel is increased; it declines and deteriorates as personnel falls off.

Added to the staff this year as a result of Dr. Odom's wide acquaintance among psychiatrists in the country and as a result of the improvements in the salary schedule made possible by appropriation increases, were two physicians, and a third addition to the staff of psychiatrists is scheduled to be added as of July 1. If the salary schedule had been raised a little more, as it should have been had there been sufficient money appropriated, other additions might have been made to the medical staff, now reduced to a ratio of one physician to every 445 patients—obviously and woefully inadequate when you consider that the approximately 5,300 patients at the hospital not only suffer from various mental diseases, but are subject to all the other ills that beset normal human beings.

In 1949 the General Assembly appropriated \$200,000 to the hospital for permanent improvements and repairs of the physical plant. With these funds it has been possible to replace roofs and

flashing on 11 buildings, to renovate and equip one building for a milk-processing plant, to provide a stoker, water pump and smokestack for the laundry at the State Park Division, to provide oil heating units in 11 residences, a farrowing house and poultry facilities at State Park, to replace two steam boilers and other wornout equipment at State Park, to repaint metal roofs and to replaster several ward buildings and to undertake divers other miscellaneous repairs, most of them done with the hospital's maintenance force. In spite of this expenditure the condition of the physical plant of the hospital remains generally deteriorated and in need of much repair. Some of the more critical items have had to be postponed since their cost would have exceeded the amount available for this purpose. It is urgent, therefore, that adequate funds be provided for renovation and repair purposes and that these funds be used over a short period of time. To delay longer would merely add to the deterioration of many of the buildings, which now is proceeding at an accelerated rate. A major repair program is the only answer.

The hospital is today 50 per cent overcrowded, housing 150 patients roughly in areas designed and intended to house only 100 patients. This has been accomplished only by the unwise diversion of dayroom space into bed space, by the conversion of hall and corridor space into bed space, and by forcing many patients when it is impossible to crowd in additional beds to sleep on pallets, on the floor—an inexcusable stratagem for any State worthy of the name. It is now impossible to add any more beds or pallets without interfering with the exits from the wards. A major construction program is, therefore, imperative.

Not a single building of the existing plant is designed or constructed for the care of either the acutely disturbed patients or of the geriatric cases. The active treatment areas of the hospital should also be enlarged to accommodate the increased number of admissions. In addition, the supplementary services of the hospital—kitchen, dining room, laundries, heating plants, et cetera—must be enlarged to care for today's population. Every one of these contributes to treatment. The overcrowding of the institution—it is, according to the records, the most overcrowded mental institution in the United States, with the single exception of Alabama's State Hospital for Negroes—should be relieved. It can be relieved only by additional construction. The Taylor

Building, condemned years ago, is today a disgrace to the State of South Carolina. It ought to be replaced and would have been replaced if the General Assembly had appropriated the money to replace it. The hospital's architects estimate the cost of total needed construction, including equipment, at \$18,042,300—as of today. It would be impossible to expend this sum wisely in any one year and the Board does not recommend the expenditure of any such sum in any single year, but every item in this list of projects is needed today, not tomorrow. Well down on the list are the chapels and recreation buildings for both Columbia and State Park, but only because there are matters of still greater urgency. It is an indictment of South Carolina that the State Hospital is a community of more than 5,300 people without a single church or a single adequate recreational facility.

The \$1,000,000 appropriated to the hospital by the General Assembly in 1946 for building purposes has been used, with Federal assistance, to give the hospital approximately \$1,500,000 of new construction. With these funds there have been constructed:

At the State Park Division: a new receiving and active treatment building, setting up for the first time an active treatment division at this branch; an administration building, providing for the admission of patients to the State Park Division without the necessity of a check-in at the Columbia Division, for the first time; a new sewerage disposal system, and a wire fence enclosing the hospital area to give the institution better control of personnel and patients and to halt the thefts of coal and other supplies.

At the Columbia Division: a new ice manufacturing plant; a modern warehouse and refrigeration building, renovation of the ground floor of the Administration Building to provide necessary space for administrative personnel; a canteen building; a modern maintenance shops building and extension of the steam lines to four ward buildings.

The enlargement of one ward building at the Columbia Division to house both male and female tuberculous patients, making available 100 beds for other patients, and the restoration of a ward building at the State Park Division which was partially burned, are now in progress and will be completed in the next fiscal year.

Your attention is called to the inadequate laundry facilities at both divisions of the hospital. The present kitchen facilities are also entirely inadequate. And adequate, nutritious and appetizing food is a basic need for every patient.

To our regret the South Carolina State Hospital is not accredited by the American Psychiatric Association for the training of physicians in psychiatry. This is one of the chief reasons for the difficulty encountered by the hospital in securing the services of young physicians, who must elect to go to areas in the country where they can secure training accredited for certification in the specialty of psychiatry. It is impossible, perhaps, to think in terms of getting the entire hospital accredited for such training without the expenditure of much more money than we would suggest. It does seem possible, however, to develop within the hospital area an active and intensive treatment center and teaching and training facilities which could be accredited for psychiatric training. If the money can be found, this should be done as soon as possible.

To all of the employees of the hospital, in both the medical and the business or maintenance departments, the State of South Carolina and the Board of Regents, as the representative of the citizens of South Carolina, owe a great debt of gratitude for a job well performed under almost impossible conditions.

The time is here and now for the State to reward this faithful service, on behalf of South Carolina, both by increased compensation and improved working conditions, and also by making more resultful their labors in amelioration of what is South Carolina's, as it is the nation's No. 1 health problem. These are South Carolinians, these 5,300 patients in the State Hospital, and South Carolina should not forget them.

Respectfully submitted

G. A. BUCHANAN, JR., Chairman
 MRS. WILLIAM R. WALLACE
 OLIN B. CHAMBERLAIN, M.D.
 W. W. HARRIS
 C. M. TUCKER, JR.
 Board of Regents
 South Carolina State Hospital

SUPERINTENDENT'S REPORT

Columbia, S. C., July 1, 1951.

To The Board of Regents of The South Carolina State Hospital:

Gentlemen:

The superintendent has the honor to submit the following report of the activities of the South Carolina State Hospital for the year ending June 30, 1951.

MOVEMENT OF PATIENT POPULATION

At the beginning of the year there were on the books of the hospital 6468 patients: 1729 white men; 1906 white women; 1472 Negro men and 1361 Negro women. Of the entire number, 1142 were away on trial visit or otherwise absent.

During the year 1983 patients were admitted: 703 white men; 632 white women; 378 Negro men and 270 Negro women. Of the total admissions, 1541 entered the hospital for the first time; and 442 had been admitted previously.

Of the total admitted, 57 were on a voluntary basis. Theoretically voluntary admission to the hospital is a very desirable procedure. From the practical point of view it does not work out satisfactorily. The patient soon becomes dissatisfied and leaves the hospital before any benefit can have been derived from his admission. Perhaps it would be wise to modify the Statutes to the extent that the patient would agree to remain in the hospital for 30 or 60 days.

At the end of the year there were 6481 patients on the books of the hospital. Of this number 5334 were in the hospital and 1147 were away on trial visit or otherwise absent.

During the year 1577 patients were discharged from the books. This includes those discharged during the current year by reason of being without psychosis. Of the total discharged and returned to the community were 206 discharged because of being addicted to the use of alcohol or drugs and found to be without psychosis.

DEATHS

Of the 393 deaths, 115 were white men; 107 white women; 111 Negro men and 60 Negro women. Cardio renal vascular disease continues to be the leading cause of death.

COURT CASES

In compliance with Statutory provisions, 86 persons were committed by the Circuit Courts for 30 days observation to determine the presence or absence of mental illness.

In addition to this number, the Courts ordered the examination of 25 persons at the South Carolina State Penitentiary.

From various State institutions 11 persons were sent to the hospital by the Order of the Governor for psychiatric examination and treatment.

GENERAL STATISTICS

July 1, 1950 through June 30, 1951

	White Men	White Women	Negro Men	Negro Women	Total
Patients on books of hospital at beginning of hospital year..	1,729	1,906	1,472	1,361	6,468
Admissions during twelve months:					
First admissions.....	516	459	336	230	1,541
Re-admissions.....	187	173	42	40	442
Total received.....	703	632	378	270	1,983
Total on books during twelve months.....	2,432	2,538	1,850	1,631	8,451
Discharged from books during twelve months:					
Recovered.....	35	16	24	10	85
Improved.....	310	429	158	139	1,036
Unimproved.....	28	13	8	1	50
Without psychosis.....	255	89	51	11	406
Total discharged.....	628	547	241	161	1,577
Died during twelve months.....	115	107	111	60	393
Total discharged and died.....	743	654	352	221	1,970
Patients remaining on books at end of hospital year:					
In hospital.....	1,324	1,447	1,316	1,247	5,334
On trial visit or otherwise absent.....	365	437	182	163	1,147
Total.....	1,689	1,884	1,498	1,410	6,481
Daily average in hospital.....	1,343	1,464	1,299	1,214	5,320

MEDICAL SERVICE

On July 1, 1950 there were on duty 13 full time physicians (psychiatrists), 9 part time physicians; 28 registered nurses and 297 attendants.

The ratio of full time physicians (12) to patients was 1 to 445. The ratio of registered nurses available for ward duty (18) was 1 to 296 patients; and the ratio of attendants (297) was 1 to 19 patients. All of which indicated a critical shortage of medical service personnel.

The marked overcrowding of all the wards and the deteriorated state of many of the ward buildings added to the difficulties of rendering high quality care and treatment to patients. These handicaps were compensated for in a large measure by the excellent spirit of all the personnel.

The need for more employees in the medical service cannot be over emphasized. The personnel of this service (nurses and attendants) are required to operate on two-12 hour shifts a day. In spite of time off, the work-week consists of 60 hours a week during the day and 72 hours a week during the night shift. These excessively long hours make it difficult to secure new employees. In order to give the best medical care it is necessary to have an adequate number of employees on duty at all times during the day, and the only solution to this is to employ more medical personnel. In order to compete with other areas of employment it now appears necessary to operate the hospital on an 8 hour a day basis. In the medical service it would require three-8 hour shifts operating on a 48 hour week. Because of the urgency of this problem the hospital requested budget includes sufficient money for the employment of the needed personnel.

The entire staff of the United States Public Health Service Laboratory of Tropical Diseases has given much valuable aid to the medical staff, especially in the study and treatment of disorders associated with intestinal parasitic infestations and in the treatment of neurosyphilis with malaria.

Electro shock treatment was given to 1119 patients.

During the year 55 patients had a transorbital leukotomy.

Numerous groups from elementary schools, high schools and colleges have been escorted on tours through parts of the hospital during the year. Special clinics have been held for psychology students.

MEDICAL STAFF DATA

On July 1, 1950 Dr. Raymond O. Cheney joined the staff as a senior assistant physician. His services were terminated September 23, 1950.

Dr. Lawson H. Bowling, who had been on the staff since July 11, 1949, resigned July 10, 1950 to accept a residency in psychiatry in the Pennsylvania Hospital for Mental and Nervous Diseases, West Philadelphia.

Dr. Albert M. Eaddy of Columbia became a member of the staff as a senior assistant physician on August 3, 1950.

On August 4, 1950 Dr. Emmett R. Johnson, recently at the Arizona State Hospital, Phoenix, Arizona, came as a senior assistant physician.

Dr. John S. Scott, an assistant physician since July 16, 1949, resigned January 1, 1951 to accept a position in the Department of Neurology at the Bowman Gray School of Medicine, Winston-Salem, N. C.

Joining the staff on a part time basis were Dr. Ben N. Miller, internist, on January 16, 1950; Dr. James W. Fouche, chest surgeon, July 16, 1950; and Dr. John R. Timmons, general surgeon on December 1, 1950.

The services of Dr. John W. Varner as part time urologist since May 1, 1944, were terminated September 16, 1950.

On February 24, 1951 Dr. Roland S. Pike, dentist since March 1, 1947, left to enter the Armed Forces.

Assuming the duties of the dentist on a part time basis were Dr. R. E. Christinus on March 24, 1951 and Dr. Fletcher B. Matthews on April 26, 1951.

Serving as junior interns during the summer were these rising seniors: Miss Rosalie Long, University of Pennsylvania Medical School, Philadelphia; and from the Medical College, State of South Carolina, Charleston, rising seniors Messrs. Frank O'Sheal, Samuel M. Witherspoon, Hugh V. Carson, James E. Carson and John G. Wilson; and rising juniors Messrs. Robert C. McLane and Robert W. Gibbes.

From September through May 1950 two senior students from the Medical College, State of South Carolina, were assigned each week to the hospital for clinical training in psychiatry.

On February 13, 1951 Mrs. Myrtle E. Mackey, registered pharmacist, assumed her duties in that capacity, succeeding Dan J. Ruff who left the service February 15, 1951.

A joint meeting of the Southeastern Society of Neurology and Psychiatry and the Columbia Medical Society was held at the hospital on August 14, 1950. Dr. Samuel R. Kilgore of the Mental Hygiene Clinic, Greenville, presented a paper entitled, "The Doctor-Patient Relationship—Science or Guess Work?", which was discussed by Dr. Bothwell Graham, internist of Columbia.

Dr. John S. Scott of the hospital staff brought a "Clinical Presentation of a Case of Wilson's Disease." This was discussed by Dr. Ben N. Miller, internist, Columbia.

COURT CASES

During the year 86 persons were committed to the hospital by the Courts of General Sessions and by the Juvenile Domestic Relations for psychiatric examination.

PSYCHOSES	White Men	White Women	Negro Men	Negro Women	Total
Alcoholism, delirium tremens.....	..	..	1	..	1
Cerebral arteriosclerosis.....	1	..	2	..	3
Convulsive disorder, epilepsy.....	1	..	..	..	1
Schizophrenia (dementia praecox)	..	..	..	..	..
Catatonic.....	..	..	2	..	2
Paranoid.....	1	..	2	..	3
Manic depressive, manic.....	1	..	..	..	1
Paranoia and paranoid condition.....	1	..	..	..	1
Other disturbances of circulation, cardio renal.....	..	..	1	..	1
Senile, simple deterioration.....	1	..	..	..	1
Syphilitic meningo encephalitis.....	1	..	1	..	2
Trauma, amnesia and personality changes.....	..	..	1	..	1
Total with psychoses.....	7	..	11	2	20
Without psychoses:					
Alcoholism.....	1	..	1	..	2
Convulsive disorder, epilepsy.....	..	1	..	..	1
Mental deficiency.....	2	..	3	..	5
Psychopathic personality.....	1	..	2	..	3
Psychoneuroses, reactive depression.....	1	..	..	..	1
Without mental disorder.....	42	2	8	..	52
Total without psychoses.....	49	3	14	..	66
GRAND TOTAL.....	56	3	25	2	86

COMMITTED BY ORDER OF GOVERNOR

PSYCHOSES	White Men	White Women	Negro Men	Negro Women	Total
Mental deficiency.....	2	..	..	..	2
Paranoia and paranoid condition.....	1	..	..	..	1
Schizophrenia (dementia praecox) catatonic.....	1	..	..	..	1
Total with psychoses.....	4	..	..	..	4
Without psychoses:					
Mental deficiency.....	2	..	1	..	3
Primary behavior disorder, habit and conduct disturbance....	..	1	..	..	1
Psychopathic personality with asocial or amoral trends.....	1	2	..	..	3
Total without psychoses.....	3	3	1	..	7
GRAND TOTAL.....	7	3	1	..	11

SPECIAL EXAMINATIONS AT THE SOUTH CAROLINA STATE PENITENTIARY

PSYCHOSES	White Men	White Women	Negro Men	Negro Women	Total
Cerebral arteriosclerosis.....	1	..	..	..	1
Total with psychoses.....	1	..	..	..	1
Without psychoses:					
Convulsive disorder, epilepsy.....	..	..	1	..	1
Without mental disorder.....	15	1	7	..	23
Total without psychoses.....	15	1	8	..	24
GRAND TOTAL.....	16	1	8	..	25

SURGICAL SERVICE

	Patients					Employees				
	White Men	White Women	Negro Men	Negro Women	Total	White Men	White Women	Negro Men	Negro Women	Total
Adhesiotomy, abdomen.....	..	..	..	..	..	..	1	..	..	1
Appendectomy .....	..	..	..	3	3	..	2	1	1	4
Aspiration cystic tumor, back.....	..	1	..	..	1	..	..	..	..	..
Biopsy:										
Cervix .....	..	1	..	..	1	..	1	..	..	1
Lump, breast.....	..	1	..	..	1	..	..	..	..	..
Tumor, finger.....	..	..	..	..	..	..	1	..	..	1
Blood transfusion.....	39	11	1	5	56	..	1	..	..	1
Bronchoscopy .....	..	..	4	1	5	..	..	..	..	..
Cauterization, caruncle, cervix.....	..	..	..	..	..	..	1	..	..	1
Circumcision .....	..	..	1	..	1	..	..	..	..	..
Dilatation and curettage.....	..	4	..	..	4	..	1	..	1	2
Excision:										
Ano fistula.....	..	..	1	..	1	..	..	..	..	..
Femoral lymph nodes.....	..	1	..	..	1	..	..	..	..	..
Gastric ulcer.....	1	..	..	..	1	..	..	..	..	..
Lipoma, back.....	1	..	..	..	1	..	..	..	..	..
Exploratory laparotomy.....	1	..	..	..	1	1	..	..	..	1
Hemorrhoidectomy	2	5	..	..	7	..	..	..	..	..
Herniorrhaphy	9	5	..	..	14	1	1	..	..	2
Hysterectomy .....	..	1	..	1	2	..	4	..	1	5
Incision and drainage—										
Abscess:										
Abdomen	1	..	..	..	1	..	..	..	..	..
Arm .....	..	1	..	..	1	..	..	..	..	..
Breast .....	..	1	..	..	1	..	..	..	..	..
Elbow .....	..	1	..	..	1	..	..	..	..	..
Face	1	..	..	..	1	..	..	..	..	..
Finger	1	2	1	..	4	..	1	..	..	1
Foot .....	..	1	..	..	1	..	..	..	..	..
Hand .....	..	2	..	..	2	..	..	..	..	..
Neck .....	..	1	..	..	1	..	..	..	..	..
Tumor:										
Scalp .....	..	1	..	..	1	..	..	..	..	..
Incision and opening pare anal fistula..	..	..	1	..	1	..	..	..	..	..
Incision and removal—										
Cyst:										
Abdomen .....	..	..	..	..	..	..	2	..	..	2
Ear .....	..	..	..	..	..	..	1	..	..	1
Eyelid .....	..	1	..	..	1	..	..	..	..	..
Leg .....	..	..	..	..	..	1	..	..	..	1
Pilonidal .....	..	..	..	..	..	..	1	..	..	1
Tumor:										
Back	2	..	..	..	2	..	..	..	..	..
Breast	1	1	..	..	2	..	..	..	..	..
Neck .....	..	1	..	..	1	..	..	..	..	..
Scalp .....	..	1	..	..	1	..	..	..	..	..
Incision and repair, tendon sheath, hand	..	..	..	..	..	1	..	..	..	1
Injection novocain into intercostal nerve										
root .....	..	..	..	..	..	..	1	..	..	1
Laparotomy, prolapse rectum.....	..	1	..	..	1	..	..	..	..	..
Ligation:										
Bleeding following hemorrhoidectomy..	1	..	..	..	1	..	..	..	..	..
Varicose veins.....	..	8	..	..	8	..	..	..	..	..
Mastectomy .....	..	4	..	..	4	..	..	1	..	1
Orchiectomy .....	..	..	..	..	..	..	..	1	..	1
Peotomy .....	..	..	1	..	1	..	..	1	..	1
Pneumocephlogram .....	..	1	2	..	3	..	..	..	..	..
Removal, electro surgery:										
Papilloma, tongue.....	..	1	..	..	1	..	..	..	..	..
Wart, heel.....	..	..	..	..	..	..	1	..	..	1
Skin graft:										
Arm .....	..	..	1	..	1	..	..	..	..	..
Chest	1	2	..	..	3	..	..	..	..	..
Lesion, hand.....	..	..	..	..	..	1	..	..	..	1
Sterilization, ligation tubes.....	..	..	..	6	6	..	..	..	..	..
Supra pubic cystotomy	1	..	1	..	2	..	..	..	..	..
Thoracentesis .....	..	1	1	1	3	..	..	..	..	..
Thoracotomy	1	..	..	..	1	..	..	..	..	..
Thyroidectomy .....	..	..	..	..	..	2	..	..	..	2
Transorbital leukotomy.....	2	42	2	9	55	..	..	..	..	..
Trephine	1	..	2	..	3	..	..	..	..	..
Total.....	66	104	19	26	215	6	20	4	2	32

ORTHOPEDIC SERVICE

	PATIENTS						EMPLOYEES					
	White Men	White Women	Negro Men	Negro Women	Total		White Men	White Women	Negro Men	Negro Women	Total	
Application of cast:												
Correction, deformity, fingers.....	..	..	1	..	1	..	..	..	..	..	..	..
Mobilization, tendon:												
Knee .....	..	..	..	..	..	..	1	..	..	..	1	1
Thumb and wrist.....	..	..	..	..	..	1	..	..	..	..	..	..
Amputation:												
Finger	1	..	..	2	3	..	..	..	..	..	..	..
Leg	2	1	2	..	5	..	..	..	..	..	..	..
Stump, leg	1	..	..	..	1	..	..	..	..	..	..	..
Closed reduction and application adhesive tape for fracture:												
Clavicle .....	..	1	..	..	1	..	..	..	..	..	..	..
Closed reduction and application cast for dislocation:												
Clavicle .....	..	..	1	..	1	..	..	..	..	..	..	..
Closed reduction and application cast for fracture:												
Ankle	1	..	..	3	4	..	..	..	..	1	1	1
Clavicle	1	..	..	..	1	..	..	..	..	..	..	..
Femur .....	..	..	..	1	1	..	..	..	..	..	..	..
Fibula .....	..	..	..	..	..	..	1	..	..	..	1	1
Finger	2	..	1	..	3	..	..	..	1	..	..	..
Foot .....	..	1	..	..	1	..	..	..	..	..	..	..
Hand	1	..	..	..	1	..	..	2	..	..	2	2
Heel	1	..	..	..	1	..	..	..	..	..	..	..
Humerus	2	5	..	..	7	..	..	..	..	..	..	..
Tibia	1	..	1	..	2	..	..	..	..	..	..	..
Ulna	1	..	..	..	1	..	..	..	..	..	..	..
Wrist	4	4	2	5	15	..	..	..	..	..	..	..
Closed reduction and application sling for fracture:												
Clavicle .....	..	1	..	..	1	..	..	..	..	..	..	..
Closed reduction dislocation, shoulder....	..	..	1	..	1	..	..	..	..	..	..	..
Incision and removal:												
Blade plate:												
Fibula	1	..	..	..	1	..	..	..	..	..	..	..
Femur	1	..	..	1	2	..	..	..	..	..	..	..
Hip .....	..	1	..	..	1	..	..	..	..	..	..	..
Bunions .....	..	1	..	..	1	..	1	..	..	..	1	1
Nails, steel:												
Ankle .....	..	2	..	..	2	..	..	..	..	..	..	..
Hip	2	5	..	..	7	..	..	..	..	..	..	..
Toe nails .....	..	1	..	..	1	..	..	..	..	..	..	..
Manipulation stiff fingers under anesthesia	1	..	..	..	1	..	..	..	..	..	..	..
Open reduction for fracture:												
Ankle .....	..	2	..	..	2	..	..	..	..	..	..	..
Femur	1	4	..	1	6	..	..	..	..	..	..	..
Hand	1	..	..	..	1	..	..	..	..	..	..	..
Hip	2	12	..	..	14	..	..	..	..	..	..	..
Patella	1	..	..	..	1	..	..	..	..	..	..	..
Tibia	1	..	..	..	1	..	..	..	..	..	..	..
Open reduction, dislocation, shoulder....	..	1	..	..	1	..	..	..	..	..	..	..
Open reduction and application cast for fracture:												
Hip .....	..	2	..	..	2	..	..	..	..	..	..	..
Open reduction and nail fixation, fracture:												
Hip	1	3	..	..	4	..	..	..	..	..	..	..
Open reduction and blade plate fixation, fracture:												
Hip .....	..	2	..	1	3	..	..	..	..	..	..	..
Removal nails:												
Hip .....	..	1	..	..	1	..	..	..	..	..	..	..
Shoulder .....	..	1	..	..	1	..	..	..	..	..	..	..
Removal and reapplication, cast, fracture:												
Femur	1	..	..	..	1	..	..	..	..	..	..	..
Removal splinter, palm, hand.....	..	..	..	..	..	..	..	..	..	1	1	1
Total.....	31	51	9	14	105		1	3	3	2	9	

TREATMENT OF SYPHILIS AND NEUROSYPHILIS

DOSES	White Men	White Women	Negro Men	Negro Women	Total
Aldarsone .....	..	79	..	..	79
Bismarsen .....	..	..	..	294	294
Bismuth sodium tartrate.....	301	..	..	273	574
Mapharsen	448	24	1,137	561	2,170
Malaria	22	4	41	19	86
Stabisol .....	..	..	4	..	4
Thio bismol.....	147	176	571	..	894
Total.....	918	283	1,753	1,147	4,101

UROLOGICAL SERVICE

	PATIENTS					EMPLOYEES				
	Columbia Division		State Park Division		Total	White Men	White Women	Negro Men	Total	
	White Men	White Women	Negro Men	Negro Women						
Biopsy .....	..	..	..	2	2	..	..	..	..
Catherization .....	..	..	1	1	2	..	..	..	..
Consultations	3	2	1	..	6	3	3	..	6	
Cystoscopic examinations.....	2	..	1	..	3	..	3	....	3
Hospital visits.....	7	..	15	2	24	3	4	1	8	
Intravenous pyelogram.....	..	..	..	..	..	..	2	..	2
Office visits.....	1	..	9	..	10	5	15	2	22	
Operations	1	..	3	..	4	..	..	..	..
Partial autopsy.....	..	..	1	..	1	..	..	..	..
Treatments	1	..	3	..	4	..	..	..	..
Total.....	15	2	34	5	56	11	27	3	41	

SYPHILITIC MENINGO-ENCEPHALITIS

	White Men	White Women	Negro Men	Negro Women	Total
Remission	4	..	..	..	4
Much improved.....	..	1	11	3	15
Improved	7	1	9	4	21
Unimproved	2	..	7	2	11
Died .....	..	1	3	1	5
Total.....	13	3	30	10	56

ELECTRO-SHOCK THERAPY

	White Men	White Women	Negro Men	Negro Women	Total
Markedly improved.....	11	8	30	68	117
Improved	90	359	172	161	782
Unimproved	27	100	23	70	220
Total.....	128	467	225	299	1,119

EYE, EAR, NOSE AND THROAT DEPARTMENT

	PATIENTS					EMPLOYEES				
	White Men	White Women	Negro Men	Negro Women	Total	White Men	White Women	Negro Men	Negro Women	Total
EYES:										
Acute dacryocystitis.....	..	1	..	..	1	..	..	..	..	..
Cataract .....	..	1	..	..	1	..	..	..	..	2
Chalazion .....	..	..	..	..	..	..	..	2	..	6
Corneal ulcer.....	28	9	1	2	40	2	..	4	..	..
Drainage, anterior chamber.....	..	..	..	1	1	..	..	..	..	..
Entropion .....	..	2	..	..	2	..	..	..	..	..
Enucleation .....	..	..	..	1	1	..	..	..	..	..
External diseases.....	38	41	11	8	98	11	18	8	9	46
Eye ground examinations.....	674	565	451	312	2,002	2	2	2	..	6
Foreign bodies removed.....	1	1	..	..	2	14	4	2	1	21
Glaucoma	1	7	4	1	13	1	..	..	..	1
Injuries	12	1	1	20	34	13	3	..	1	17
Keratitis uveitis.....	38	4	4	3	49	7	..	..	2	9
Parenteritis	1	..	..	..	1	..	..	..	..	..
Refractions	130	177	9	14	330	41	43	21	14	119
Removal:										
Pterygium .....	..	3	..	..	3	1	..	..	..	1
Suture eyelid.....	1	..	..	..	1	..	..	..	..	..
Wart, eyelid.....	..	..	..	..	..	..	1	..	..	1
Routine inspections.....	13	15	23	27	78	..	..	7	9	16
Slit lamp examinations.....	16	17	4	..	37	..	..	..	2	2
Suture, eyelid	1	..	..	..	1	..	..	..	..	..
Visual fields.....	6	5	..	..	11	..	..	..	..	..
Total.....	960	849	508	389	2,706	92	71	46	38	247
EARS:										
Abscess opened.....	1	..	..	..	1	..	..	..	..	..
Audiometer test.....	1	1	..	..	2	..	2	..	..	2
Cerumen removed.....	14	4	..	..	18	..	2	..	..	2
Foreign bodies removed.....	2	1	..	2	5	..	..	..	..	..
Injuries	3	1	..	..	4	..	..	..	..	..
Irrigations	11	5	..	..	16	2	2	..	..	4
Myringotomy .....	..	..	..	..	..	..	..	1	2	3
Otitis externa.....	15	19	9	8	51	3	10	6	2	21
Otitis media.....	35	31	11	11	88	17	14	6	1	38
Polyp removed.....	5	5	..	..	10	..	2	..	..	2
Resection, outer ear.....	..	1	..	..	1	..	..	..	..	..
Routine examinations.....	734	630	157	151	1,672	9	17	29	33	88
Total.....	821	698	177	172	1,868	31	49	42	38	160
NOSE AND THROAT:										
Foreign bodies removed.....	..	..	..	..	..	2	1	..	..	3
Injuries	2	..	..	..	2	..	..	..	..	..
Laryngitis	1	1	2	..	4	2	6	..	..	8
Naso-pharyngitis	16	5	6	3	30	6	17	2	1	26
Peritonsillar abscess.....	..	1	..	..	1	..	..	..	..	..
Routine examinations.....	618	530	151	165	1,464	5	22	31	31	89
Shrinkage nasal mucosa.....	5	1	..	..	6	6	9	..	..	15
Sinusitis	15	6	2	3	26	20	26	4	12	62
Suction treatments.....	4	..	..	..	4	..	..	..	..	..
Tonsillitis	21	16	8	6	51	28	26	3	16	73
Tonsillectomies	1	..	..	..	1	1	4	..	1	6
Total.....	683	560	169	177	1,589	70	111	40	61	282

DENTAL WORK

Examinations	2,777
Anesthetics	1,651
Extractions	1,586
Treatments	190
Bridges:	
Removed	3
Repaired	4
Reset	2
Dentures:	
Made	25
Partial repaired	12
Repaired	2
Fillings:	
Alloy	108
Kadon	4
Plastic	30
Porcelain	12
Temporary	13
X-ray exposures	184
Tooth brushes distributed	498
Tooth paste distributed	108
Visits to wards:	
Columbia Division	18
State Park Division	8

LABORATORY SERVICE

1. *State Park Division*

The initial aim of the laboratory for the year was to provide the Negro Division of the hospital with better laboratory service. Since this unit of the hospital is located seven miles from the Columbia Division, it was deemed advisable to open a branch laboratory there if more efficient service were to be rendered. Plans were outlined and in December, a branch laboratory was opened in Building No. 3. Upon completion of the new Administration Building, the laboratory was moved from its old location as a more desirable place was afforded everyone.

The new laboratory is open three days a week and the following services are available: Routine hematological, serological, bacteriological, parasitological, urological examinations and blood transfusion service when necessary. The steady increase in work presages the need for a full time technician in this laboratory and it is hoped that this need can be fulfilled in the near future.

2. *Columbia Division*

While plans were being made to open a branch laboratory at the State Park Division, several important changes were instituted in the laboratory at the Columbia Division. New tests were introduced, certain routinely performed procedures were revised, new equipment was purchased and a rotation call plan begun.

Among the new procedures made available were the following: Routine sputum examination on all tubercular patients, direct and concentrated stool examinations on all new admissions, bone marrow studies of all blood dyscrasias, agglutination tests for febrile diseases and an increase in blood transfusions that resulted in over 125 pints of blood being given last year. Kitchens and dining rooms were inspected for cleanliness at regular intervals and examinations were made on all milk processed in the hospital creamery. In the Chemistry Department the new tests included barbiturate determinations, prothrombin times, chloride determinations and the chemical analysis of gastric contents.

To accommodate the expansion of the laboratory and its services to the hospital, it was necessary to purchase additional equipment. This was done by competitive bidding which enabled the hospital to purchase equipment in large quantities at cheaper costs while permitting the laboratory to maintain an adequate stock room. A Fisher hemometer for hemoglobin estimations was among the new items bought. This instrument operates on the principle of the photoelectric eye, thereby greatly reducing the human error factor.

A rotation call plan was begun which provides the hospital with laboratory service twenty-four hours a day. Each technician is assigned certain after duty call hours and is available at any time that laboratory service is needed.

As a result of the addition of new tests and other changes in the laboratory, there has been an increase of approximately 16,000 tests since last year, the total number for the year being 33,432.

Total Examinations 33,432

	<i>State Park Division</i>	<i>Columbia Division</i>	
Bacteriology			823
Cultures	6	97	
Smears	61	441	
Animal inoculation	X	4	
Bacteria counts (milk)	X	214	
Chemistry			4,005
Glucose	X	1,248	
Bromides	X	1,383	
Non-protein nitrogen	X	34	
Creatinine	X	26	
Urea nitrogen	X	6	
Total protein (blood)	X	37	
Total protein (spinal fluid)	X	1,013	
Icterus index	X	37	
Van den Bergh	X	28	
Chlorides	X	2	
Cholesterol	X	18	
Gastric analysis	X	7	
P. S. P.	X	19	
Prothrombin time	X	2	
Cephalin flocculation	X	9	
Barbiturates	X	4	
Amylase	X	1	
Potassium	X	3	
Calcium	X	2	
Glucose tolerance	X	1	
Butter fat (milk)	X	125	
Mematology			15,299
R. B. C.	58	190	
W. B. C. (blood)	271	2,595	
W. B. C. (spinal fluid)	X	1,013	
Hgb	269	2,547	
Differential count	263	2,565	
Bleeding time	X	44	
Coagulation time	X	44	
Sedimentation rate	225	2,495	
Hematocrit	225	2,486	

Bone marrow.....	X	7	
Reticulocyte counts.....	X	1	
Sickle	X	1	
Parasitology			2,083
Blood (feces).....	30	404	
Ova and parasites.....	250	1,371	
Malaria	12	16	
Urinalysis			3,501
Complete (Color, reaction, sp. gr., sug., alb., micro.).....	617	2,567	
Acetone	37	275	
Diacetic acid.....	X	5	
Serology			7,721
Flocculation (blood).....	98	3,173	
Flocculation (spinal fluid).....	X	1,013	
Complement fixation (blood)	X	398	
Complement fixation (spinal fluid).....	X	1,013	
Colloidal gold.....	X	1,013	
Type and Rn	12	641	
Cross match.....	X	318	
Agglutinations	X	33	
Heterophile antibodies.....	X	9	
Totals	2,434	30,998	
GRAND TOTAL			33,432

X-RAY LABORATORY

	White Men	White Women	Negro Men	Negro Women	Total
Abdomen	13	8	..	7	28
Ankle, (left).....	24	21	2	15	62
Ankle, (right).....	18	13	9	8	48
Chest, (R. A.).....	1,064	922	623	515	3,133
Colon	5	2	..	..	7
Elbow, (left).....	9	11	1	2	23
Elbow, (right).....	9	16	..	..	25
Femur, (left).....	6	7	..	2	15
Femur, (right).....	5	2	2	1	10
Foot, (left).....	13	13	1	6	33
Foot, (right).....	15	23	3	5	46
Forearm, (left).....	1	..	2	2	5
Forearm, (right).....	..	1	..	..	1
Gall-bladder	11	27	..	..	38
Hand, (left).....	20	14	2	4	40
Hand, (right).....	36	10	17	8	71
Hip, (left).....	21	123	3	2	149
Hip, (right).....	22	118	6	..	146
Humerus, (left).....	17	16	5	5	43
Humerus, (right).....	15	26	5	3	49
Jaw, (left).....	7	..	1	2	10
Jaw, (right).....	4	1	2	..	7
Kidney, Urinary, Bladder.....	44	30	..	1	75
Knee, (left).....	13	25	..	..	38
Knee, (right).....	6	18	3	15	42
Leg, (left).....	17	4	..	1	22
Leg, (right).....	11	2	..	2	15
Nose	6	4	..	..	10
Pelvis	4	1	4	..	9
Pregnancy .....	..	..	..	7	7
Ribs, (left).....	10	1	1	..	12
Ribs, (right).....	4	2	..	1	7
Sinuses .....	..	4	..	..	4
Skull	145	51	99	24	319
Spine, (cervical).....	15	6	..	2	23
Spine, (lumbar).....	64	68	12	8	152
Spine, (thoracic).....	30	26	..	4	60
Stomach	5	1	7	..	13
Wrist, (left).....	12	18	10	4	44
Wrist, (right).....	16	6	1	10	33
Total X-ray Exposures.....	1,737	1,641	826	670	4,874
Basal Metabolism Rate.....	3	7	..	1	11
Electrocardiogram	50	33	5	4	92
X-ray treatment (superficial).....	39	6	..	..	45
X-ray treatment (deep therapy).....	..	45	..	..	45
GRAND TOTAL.....	1,829	1,732	831	675	5,067
Electroencephalograms	68	74	21	6	169

PSYCHIATRIC SOCIAL SERVICE

The Social Service Department at the South Carolina State Hospital was established on January 1, 1922 with one worker. The first year 841 patients were admitted in comparison to the admission of 1,983 during the past fiscal year. Today there are three workers on the social service staff.

The Social Work Department provides the following services: social histories, interim reports, special investigations, follow-up on patients on trial visits, interviewing and interpreting to re-

latives who visit the hospital, work with patients in the institution, and educational work with lay and professional groups.

Histories:

The social worker is frequently requested by the medical staff to secure pertinent information on patients to aid in diagnosis and treatment. This information is secured from relatives, former employers, family physicians and others in the community who can give personal and family history and an account of the onset of patient's mental illness. During the past fiscal year 646 histories were obtained.

Interim Reports:

When a patient who has formerly been in the hospital is returned, the social worker talks with the family to ascertain how the patient adjusted away from the institution and what necessitated his return. This information is helpful to the doctors in formulating treatment plans. One hundred and one interim reports were secured last year.

Special Investigations:

Special investigations are made on all patients committed by the Court for observation. The social worker visits the community and interviews family, employers, references and Court officials in order to obtain pertinent information relative to the patient. In this group 79 histories were obtained during the past fiscal year.

Pre-Trial and Follow-up Visits:

The social worker is sometimes requested to determine a patient's present home conditions and, thus, the advisability of granting a trial visit under supervision of relatives. The worker interprets the patient's needs and suggests rehabilitation measures to the family.

In a limited number of cases the social worker keeps in touch with patients on trial visit. Most of the patients have had pre-frontal lobotomy operations.

The social worker under the direction of the psychiatrist advises the family in the after-care of this group.

Patients and Relatives:

During the past year one social worker has been on duty in the institution. She interviews new patients and answers questions in regard to the hospital and clears up any confusion the patient may have.

The worker assists the doctors by seeing relatives when they visit the hospital. She gives interpretation regarding patient's illness and current treatment, explains the hospital regulations and attempts to clarify questions which concern relatives about the patient. This service has been helpful in that it releases the doctors from this time consuming task and allows them more time on the wards.

During the past fiscal year 1,744 patients and relatives of 5,295 patients were interviewed

Educational Work:

During the past year the social worker made talks on mental hygiene to lay and professional groups such as PTA groups, Mothers' Clubs and DPW Staffs. Lectures were also given to each group of affiliate nurses who received training in the hospital.

The Social Service Department wishes to thank county and city officers and social agencies over the State for their co-operation during the past year.

CHAPLAINCY SERVICE

The program of this department has continued to expand during the past fiscal year. The grand total of all contacts made with patients totaled 8,945. This included interviews with newly admitted patients, intensive follow-up interviews, visits with seriously ill and others. Three hundred contacts were made with relatives of patients and numerous visits were made with sick employees.

Sunday services were conducted regularly with 155 sermons being delivered. At the services patients' choirs, under the direction of part-time musical directors, participated. An average number of 80 patients have composed the three choirs. Devotional services conducted on the wards for those unable to attend Sunday services numbered 283.

Numerous visits have been made to the hospital by pastors from various communities within the State. The churches of Columbia and vicinity have shown their interest in the patients through the provision of devotional booklets and materials, and with remembrances on various occasions. They also have continued to provide each patient at both divisions of the hospital with a Christmas gift. More than 5,800 packages were received.

During the Easter, Thanksgiving and Christmas seasons appropriate services and programs were held on many of the wards and in the chapels. A Christmas pageant was presented in which approximately 50 patients participated.

Sixteen theological students and ministers participated in the several programs of Clinical Pastoral Training at the Columbia division. Ten of these completed the 12-week intensive program while six participated in a short term counselling course offered for local ministers. This program is jointly sponsored by the hospital and The Council for Clinical Training, Inc., New York City.

Chaplain Robert H. Wilson received three 12-week periods of clinical pastoral training. The first two of these were provided for him here and the third he received at Bellevue Hospital, New York.

Both chaplains have had numerous opportunities to interpret their work to community churches and service groups. Also they have participated in discussions on religion and mental health as well as having delivered some addresses on related topics.

Chapel Building Fund

The fund for the proposed chapel at the Columbia Division, which was begun by patients in November 1943, with contributions since then from relatives, friends and organizations, is now \$25,652.74, which is still less than the required \$30,000.00 necessary to match a like amount appropriated by the 1946 General Assembly.

There is a definite need for a suitable place of worship at the Columbia Division and also for the patients at the State Park Division.

LIBRARY SERVICE

It is the function of the hospital library to extend service to the patients, resident students and professional staff of the hospital.

Library Service to Patients

The book collection consist of 1800 volumes, some of which are on loan from The State Library Board. Effort is being made to build a basic collection for the patients' library and use the Library Board's revolving deposit to vary this basic material. Since tax funds are not available, and only money from gifts or non-appropriated funds has been used to purchase books for patients, the process is slow. During the year 144 books have been added to the hospital collection, 28 purchased and 116 added from books given to the hospital. While it is desirable to build a well balanced collection, books are primarily selected with the therapeutic factor in mind.

The circulation for the year totaled 14,180 with an average of 317 individual borrowers. Twenty-three were referred by physicians for directed or planned reading.

Since the library, due to location and inadequate space, is not accessible to patients, collections of books are taken to five wards or buildings. Patients from 15 wards secure reading material by this method of circulation.

Magazines are placed weekly on 28 wards. Individuals and groups made it possible to distribute 33,814 magazines during the year. Through gift subscriptions 12 magazines are received currently and are greatly appreciated by the patients.

Due to amount of time required of the librarian in assisting the patients to plan programs for the Library Club it became necessary to curtail this group activity. This seems unfortunate as this group participation afforded patients a great deal of satisfaction, helped them gain or restore self-confidence and seemed to be of definite therapeutic value.

Medical Library

Twenty-four books have been added to this collection and 22 Medical Journals are taken. The circulation for the year was 837.

The cooperation of the State Library Board is greatly appreciated as well as that of many individuals and groups who regularly furnish the library with magazines for distribution.

OCCUPATIONAL THERAPY

The Occupational Therapy Department was moved November 1, 1950 to the present location on the second floor of the Williams Building.

During 1951 the department is prepared to care for fifty patients per eight hour day and to teach about sixty crafts.

The patients manifest much interest in this activity and the department will be of more value to them as materials and equipment are provided.

An average of four dozen rugs are made for hospital use each two weeks. Pottery, needle work, novelty jewelry and finger painting are some of the activities in which the patients are interested. Watch repairing has also been set up as a worthwhile craft.

Miss Ruby Lindler became assistant director of this work after a course in handicrafts at Penland, N. C.

RECREATIONAL THERAPY

The recreational program of the South Carolina State Hospital, which was started December 20, 1949, has continued to promote activities reported for the year 1949-'50 and has expanded considerably on the grounds and in the wards.

Recent weekly additions to the ward entertainment are the following: five bingo games; three square dances for male patients in closed wards, namely, 3rd Taylor, and 15 B; combined program of table games and dancing for the reception center; one outdoor jamboree is held for women patients who do not attend the hospital dances.

Two "Hospital Sings" are promoted weekly in the auditorium preceding the picture show. The patient orchestra accompanies the singing and plays for weekly hospital dances held on Saturday afternoons in the auditorium.

The following musical equipment has been added to the South Carolina State Hospital Columbia Division: one broadcasting system with speakers for 60 wards, eight of which have been connected; five radios and one piano. Eight radios were purchased for the State Park Division.

Three croquet sets have been purchased for the Columbia Division and one for State Park. Areas have been set aside and this game is proving very popular with the patients.

The athletic field has afforded pleasure and relaxation for many participants and spectators. Four employees' teams and six patients' teams were organized by the recreation department. Teams from the Columbia softball leagues of men and women are

scheduled to play the patients, men employees, affiliate nurses and women attendants of the hospital. Exhibition games between outside teams of women have been arranged for their entertainment.

The affiliate nurses have contributed greatly to the program by their leadership and participation in activities. They have also made expansion possible by dancing with the patients in closed wards and by chaperoning volunteer patient recreation leaders to the wards and play spots.

SCHOOL OF NURSING

The South Carolina State Hospital School of Nursing underwent a major change on October 6, 1950 when the sixty-year-old school of Nursing was closed for the purpose of organizing the twelve weeks' affiliated course in psychiatric nursing. This affiliated course, available to the student nurses from the general hospitals throughout the State, was instituted for the advantages of keeping abreast of the modern nursing trend that stresses student affiliation as a method of teaching psychiatric nursing.

The last class graduated from the School of Nursing on June 2, 1950, when the following students were awarded their diplomas:

Miss Dorothy Allison Gibney, Florence, S. C.

Miss Lois E Robbins, Bath, S C.

Miss Mildred D. Musgrave, Weston, West Virginia.

Miss Musgrave was the last student to complete the three years' course in this school, October 6, 1950, the official closing date of the school.

The remaining seven students in the school were transferred to the School of Nursing of the Medical College of the State of South Carolina and Roper Hospital, Charleston, S. C. to complete their basic course in nursing. Of this group two were second year students:

Miss Johnnie L. Hayes, Way Cross, Georgia.

Miss Margaret Ellen Stevens, Gilbert, S. C.

First Year Students:

Miss Henrietta Barfield, Johnsonville, S. C.

Miss Iona Earlean Cook, Wagener, S. C.

Miss Mary Claudine Ellisor, Prosperity, S. C.

Miss Naomi Pennington, Lodge, S. C.

Miss Martha Rochelle Rikard, Pomaria, S. C.

DEPARTMENT OF NURSING EDUCATION

July 1, 1950 found the first class of affiliating student nurses enrolled at the South Carolina State Hospital. These twenty-seven students represented seven South Carolina hospitals. They remained for twelve weeks, during which time they were given 110 hours of theory and 84 days of clinical instruction and experience.

In addition to this initial class, three other classes completed the affiliate course offered by the State Hospital. These are represented by the tabular chart during the fiscal year 1950-1951:

	BEGUN	ENDED	NUMBER STUDENTS	HOSPITALS REPRESENTED
Group II—	18 September, 1950	9 December, 1950.....	42	10
Group III—	3 January, 1951	28 March, 1951.....	44	10
Group IV—	4 April, 1951	27 June, 1951.....	44	10

You will note that we have had an increase in students and also an increase in the number of hospitals participating in the course. Interest in our course has been widespread and we have had numerous requests from hospitals outside the State for us to accept their students for this course. We have been unable to do this because we feel that we must provide for South Carolina students first.

Among those desiring admittance to our course are students in some Negro Schools of Nursing. As yet we have been unable to do anything for them but it is our hope that we shall be able to organize a similar course at State Park and open the course to our Negro nurses.

Still another request that we have had and about which we have been able to do nothing thus far is a post-graduate course. An attendant training program is also a vital need. These things are all in our future plans for expansion. We think that we have the beginning of a very important program. And it is our hope that a lack of funds will not indefinitely dim the brightness of our future.

BUSINESS DEPARTMENT

Canteen Division

A net gain of \$12,079.43 in canteen operations was transferred to the Non-Appropriated Fund Account for direct benefit of patients.

Dietary Division

Although handicapped by lack of equipment and other facilities, dietary service underwent some limited improvements. Kitchens at the State Park Division were reduced from seven to two, thus allowing advantageous use of equipment and personnel. A large kitchen was constructed in an existing building and provided with equipment from closed kitchens and that acquired from junk dealers. This unit and one in the new Receiving Building should more nearly meet requirements. Facilities at the Columbia Division, now taxed beyond capacity, continue to deteriorate in the absence of replacements.

Surplus foods valued at \$246,107.31 were obtained through Production and Marketing Administration for freight charges of \$9,503.12. South Carolina Penitentiary delivered 246,796 gallons of raw milk valued at \$133,269.84.

Engineering Division

A modern maintenance shops building was completed and put into use. Contracts were awarded for restoration of a ward building partially destroyed by fire at the State Park Division and for enlarging and renovating another such building at Columbia for tubercular patients.

In addition to routine maintenance operations, all metal roofs were painted, major repairs made to some residences and ten oil fired boilers installed in residences. Improvements in laundry operations were accomplished through installation of presses.

Farm Division

Two broiler houses were constructed, each with a capacity of 7,500 and equipped with automatic brooders, feeders, and waterers. Broiler capacity was increased to 30,000 and the laying flock to 5,000.

Deliveries from the farm included 112,811 pounds of dressed poultry, 31,529 dozen eggs, 267,736 pounds of beef, 74,457 pounds of pork, 31,950 pounds of sweet potatoes, and 95,000 board feet of lumber.

Fiscal Division

For maintenance a total of \$2,879,202.49 was expended, such amount representing a daily per capita expenditure of \$1.483. Including the value of surplus foods and milk, this figure is \$1.678.

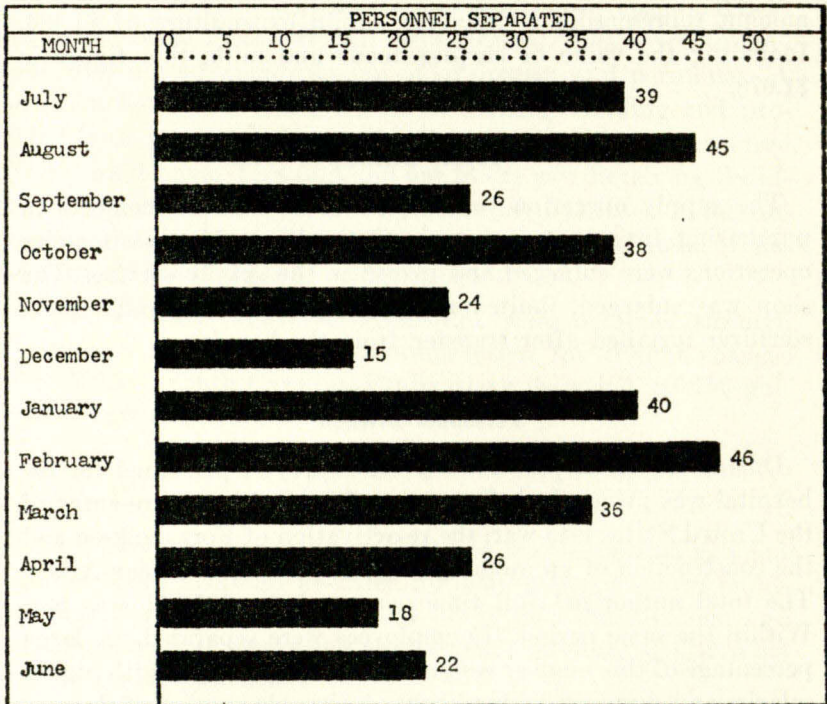
Supply Division

The supply operation was improved through refinements in purchasing, inventory, and issuing procedures. Mattress making operations were enlarged and placed in the supply service. The shop was enlarged, limited new equipment added, and an old sterilizer installed after transfer from the laundry.

Personnel Division

During the fiscal year 1950-51 the supply of personnel for the hospital was primarily influenced and limited by the re-entry of the United States into war, the re-activation of Fort Jackson and the construction of an atomic energy material plant near Aiken. The total authorized full time personnel for 1950-51 was 830. Within the same period 375 employees were separated. A large percentage of this number resigned to accept positions with higher salaries and shorter working hours. A sizeable number of the men separated have entered military service. The greatest number of vacancies have occurred among attendants in the White Male, White Female and Negro Male Services.

In an effort to meet the personnel shortage, employment standards have been lowered. Age restrictions and educational requirements have been relaxed. On February 13, 1951, the physical examination required of all applicants was modified. In spite of these measures no noticeable improvement has been observed in the employment picture.

PERSONNEL SEPARATIONS DURING THE FISCAL YEAR 1950-51

Report of Personnel

June 30, 1951

FULL TIME PERSONNEL

DEPARTMENT	EMPLOYED					VACANCIES			Total
	White Men	White Women	Negro Men	Negro Women	Total	Men	Women	Total	Authorized Strength
ADMINISTRATIVE DEPARTMENT:									
Administrative Division.....	3	3	..	..	6	..	..	..	6
Finance Division.....	1	5	..	..	6	..	..	..	6
Personnel Division.....	3	4	..	..	7	..	1	1	8
Communications and Records Division.....	2	8	..	..	10	..	..	..	10
Total.....	9	20	..	..	29	..	1	1	30
MEDICAL DEPARTMENT:									
Physicians.....	12	..	..	..	12	3	..	3	15
Medical Auxiliary Service.....	11	19	1	4	35	2	2	4	39
Medical Stenographers and Clerks.....	1	14	..	..	15	..	1	1	16
Medical Supervisors and Assistants.....	7	9	1	..	17	1	..	1	18
Ward Nurses.....	..	14	..	7	21	..	4	4	25
White Male Service:									
Hospital Attendants.....	72	8	..	..	80	12	..	12	92
White Female Service:									
Hospital Attendants.....	..	70	..	..	70	..	10	10	80
Colored Male Service:									
Hospital Attendants.....	..	..	68	7	75	7	..	7	82
Colored Female Service:									
Hospital Attendants.....	..	..	..	72	72	..	..	..	72
Total.....	103	134	70	90	397	25	17	42	439
GENERAL PLANT DEPARTMENT:									
Canteen Division.....	3	2	..	..	5	..	..	..	5
Dietary Division.....	20	9	42	30	101	..	..	..	101
Supply Division.....	7	..	4	..	11	..	..	..	11
Engineering Division.....	99	5	75	25	204	7	1	8	212
Farm Division.....	7	1	15	..	23	9	..	9	32
Total	136	17	136	55	344	16	1	17	361
GRAND TOTAL.....	248	171	206	145	770	41	19	60	830

PART TIME PERSONNEL

DEPARTMENT	EMPLOYED					VACANCIES			Total
	White Men	White Women	Negro Men	Negro Women	Total	Men	Women	Total	Authorized Strength
MEDICAL DEPARTMENT:									
Physicians	9	..	..	..	9	1	..	1	10
Medical Auxiliary Service.....	3	1	..	1	5	..	..	..	5
Medical Students.....	7	..	..	..	7	6	..	6	13
Student Chaplain.....	..	..	..	..	..	1	..	..	1
Total	19	1	..	1	21	8	..	8	29
GRAND TOTAL—All Hospital Personnel	267	172	206	146	791	49	19	68	859

MENTAL HYGIENE PERSONNEL

DEPARTMENT	EMPLOYED					VACANCIES			Total Authorized Strength
	White Men	White Women	Negro Men	Negro Women	Total	Men	Women	Total	
Central Office.....	1	2	..	..	2	..	..	..	2
Merit System.....	1	..	..	..	1	..	..	..	1
Training Unit.....	2	1	..	..	3	..	1	1	4
Greenville Clinic.....	3	2	..	..	5	..	2	4	9
Charleston Clinic.....	1	7	..	..	9	..	..	..	9
Spartanburg Clinic.....	2	3	..	1	6	1	1	2	8
Total.....	9	15	..	2	26	3	4	7	33

RETIRED

July 1, 1950 — June 30, 1951

Margaret S. Cumalander

Disability retirement—4-1-51

Department—General Plant

Position—Checker—Laundry

Date of Employment—February 2, 1931

EXPIRED

July 1, 1950 — June 30, 1951

Nathaniel Cannon

Died—August 31, 1950

Department—General Plant

Position—Laborer—Warehouse

Date of Employment—April 18, 1950

Billy Pat Hicks

Died—October 5, 1950

Department—General Plant

Position—Plumber's Helper

Date of Employment—March 1, 1949

Hamilton Jones

Died—July 14, 1950

Department—General Plant

Position—Electrician

Date of Employment—April 16, 1949

Otis McLurkin

Died—June 26, 1951

Department—Medical

Position—Hospital Attendant—Negro Male Service

Date of Employment—October 28, 1943

FINANCE DEPARTMENT

The net expenditure for Maintenance was \$2,879,202.49. In addition, however, the hospital enjoyed donated foods valued, as follows:

U. S. Production and Marketing Administration	
Surplus Food.....	\$246,107.31
Fresh Milk from S. C. Penitentiary Farms.....	133,269.84

The actual Maintenance cost, therefore, was \$3,258,579.64.

The average daily population was 5,320 and actual daily per capita Maintenance cost \$1.678. The daily per capita cost, based upon the actual appropriation expenditures was \$1.483.

Expenditure for Mental Hygiene Work totals \$83,049.20.

The revenue for the General Fund of the State was \$99,625.70, of which \$54,534.45 originated from 178 full and part-paying patients.

Through the end of this fiscal year, \$395,156.71 Federal Grant in Aid Funds supplemented the \$1,000,000.00 Structural and Non-Structural Improvements and Equipment Appropriation. From those funds, new structures and improvements have been completed or are now in process of completion, as follows:

Columbia Unit

Buildings and Equipment:

Canteen
Ice Manufacturing Plant
Warehouse and Refrigerated Storage
Maintenance Shops
Enlargement Ward Building No. 3

State Park Unit

Buildings and Equipment:

Receiving and Hospital Ward
Administration
Restoration Ward Building No. 13

Columbia Unit**Improvements:**

Steam Distribution Ward Buildings Nos. 1, 2, 3, and 4
Sewerage Connections to Farm Cabins

State Park Unit**Improvements:**

Sewerage Disposal Field Extension
Heating Ward Building No. 1
Fencing Around Hospital Area

Through the end of this fiscal year, \$157,279.31 of the Permanent Improvements and Renovations Appropriation (\$200,000.00) has been expended for sundry improvements and renovations.

Detailed account of the cash receipts and disbursements for all activities will be found in the Financial Statement Section of this report.

Very truly yours

CLEVE C. ODOM, M.D.

Superintendent

South Carolina State Hospital
and

State Mental Health Authority

FINANCIAL STATEMENT FOR THE YEAR ENDED JUNE 30, 1951

MAINTENANCE

Receipts

Appropriation State of S. C.	\$2,872,993.00	
Transferred from Mental Hygiene		
Work	6,209.49	
		\$2,879,202.49

Disbursements

Salaries and Wages	\$1,365,593.16	
Repairs	58,657.69	
Water, Light, Heat and Power	61,550.71	
**Food	861,726.28	
Fuel	109,537.69	
Clothing and Dry Goods	198,670.23	
Insurance	10,603.76	
Equipment	35,427.15	
All Other Expenditures	177,435.82	
		\$2,879,202.49
**Value cost free federal government surplus foods		\$ 246,107.31
Value cost free fresh milk from S. C. State Penitentiary		133,269.84
**(The above two values are not included in the disbursement figures)		

TRUST FUNDS

Brought Forward	\$ 39,000.00
Balance on Hand (Deposited with State Treasurer)	\$ 39,000.00

INCOME—GENERAL FUND OF STATE

Collections:

Paying Patients	\$ 54,534.45	
Rental of Quarters	9,480.00	
Subsistence	34,909.13	
Miscellaneous	702.12	
		\$ 99,625.70

PERMANENT IMPROVEMENTS AND RENOVATIONS

Balance on hand June 30, 1950.....	\$ 85,285.80
Expenditures 1950-51.....	42,565.11

Balance on hand Forwarded to 1951-52 (Deposited with State Treasurer)	\$ 42,720.69
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**STRUCTURAL AND NON-STRUCTURAL IMPROVEMENTS
AND EQUIPMENT**

Balance on hand June 30, 1950.....	\$261,595.35
Received from Federal Grant 1950-51	97,670.07
Received from Rent on space in Wil- liams Building to U. S. Public Health Service.....	1,000.00

	\$360,265.42
Expenditures 1950-51.....	245,600.24

Balance on hand Forwarded to 1951-52 (Deposited with State Treasurer)	\$ 114,665.18
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MENTAL HYGIENE WORK**Receipts**

Balance Federal Funds 1949-50.....	\$ 1,909.53
Appropriated State of South Carolina	35,000.00
Received from Federal Grant.....	52,320.00
Received from Refunds.....	2,224.04

	\$ 91,453.57
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Disbursements

State Funds.....	\$ 28,790.51
Federal Funds.....	54,258.69

Total Disbursements.....	\$ 83,049.20
State Funds Transferred to Mainte- nance Appropriation.....	6,209.49
Federal Funds Forwarded to 1951-52.....	2,194.88

	\$ 91,453.57
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RESIDENCE OF PATIENTS PRESENT JUNE 30, 1951

COUNTIES	White Men	Negro Men	White Women	Negro Women	Total
Abbeville	18	19	19	14	70
Aiken	46	37	41	28	152
Allendale	14	18	13	13	58
Anderson	85	34	88	27	234
Bamberg	6	11	8	17	42
Barnwell	14	29	14	21	78
Beaufort	7	19	5	28	59
Berkeley	6	18	11	19	54
Calhoun	7	20	10	9	46
Charleston	93	119	106	95	413
Cherokee	25	16	34	18	93
Chester	23	22	28	36	109
Chesterfield	40	25	28	22	115
Clarendon	13	21	19	33	86
Colleton	23	28	25	21	97
Darlington	31	27	32	27	117
Dillon	9	9	18	11	47
Dorchester	10	22	6	18	56
Edgefield	10	16	11	14	51
Fairfield	19	27	15	33	94
Florence	26	54	40	39	159
Georgetown	15	33	10	19	77
Greenville	112	59	143	48	362
Greenwood	26	26	29	23	104
Hampton	9	14	9	19	51
Horry	18	21	31	14	84
Jasper	3	14	3	8	28
Kershaw	25	31	18	25	99
Lancaster	22	13	28	15	78
Laurens	46	34	25	28	133
Lee	15	15	18	27	75
Lexington	34	16	37	3	90
Marion	11	21	18	22	72
Marlboro	19	22	16	22	79
McCormick	4	8	5	12	29
Newberry	22	20	20	13	75
Oconee	25	10	26	7	68
Orangeburg	29	64	43	69	205
Pickens	50	4	31	9	94
Richland	105	96	109	124	434
Saluda	13	10	11	10	44
Spartanburg	95	51	127	55	328
Sumter	21	50	30	44	145
Union	22	15	30	18	85
Williamsburg	9	44	12	26	91
York	49	34	47	44	174
Total	1,324	1,316	1,447	1,247	5,334

RESIDENCE OF PATIENTS RECEIVED 1950-51

COUNTIES	White Men	Negro Men	White Women	Negro Women	Total
Abbeville	21	11	9	1	42
Aiken	19	12	18	6	55
Allendale	3	6	2	3	14
Anderson	34	10	33	6	83
Bamberg	5	2	5	..	12
Barnwell	6	6	5	4	21
Beaufort	2	2	..	5	9
Berkeley	5	5	2	3	15
Calhoun	2	4	2	..	8
Charleston	40	28	35	10	113
Cherokee	17	2	12	6	37
Chester	16	6	15	8	45
Chesterfield	13	7	12	8	40
Clarendon	6	8	5	7	26
Colleton	16	10	11	3	40
Darlington	18	10	16	6	50
Dillon	4	1	8	1	14
Dorchester	8	6	3	..	17
Edgefield	6	2	8	7	23
Fairfield	5	8	3	8	24
Florence	19	10	25	11	65
Georgetown	9	5	4	6	24
Greenville	60	14	60	14	148
Greenwood	13	10	11	3	37
Hampton	10	8	2	4	24
Horry	11	5	13	4	33
Jasper	5	5	1	..	11
Kershaw	10	12	14	9	45
Lancaster	15	4	13	3	35
Laurens	25	19	17	6	67
Lee	7	9	7	10	33
Lexington	12	8	11	2	33
Marion	3	6	4	4	17
Marlboro	5	7	9	4	25
McCormick	3	2	1	1	7
Newberry	27	9	13	6	55
Oconee	13	2	23	3	41
Orangeburg	21	21	14	19	75
Pickens	25	2	13	3	43
Richland	54	24	54	27	159
Saluda	5	2	3	..	10
Spartanburg	50	11	51	9	121
Sumter	12	18	16	14	60
Union	10	4	13	1	28
Williamsburg	6	5	3	5	19
York	27	10	33	10	80
Total.....	703	378	632	270	1,983

Statistical Tables

PSYCHOSES OF FIRST ADMISSIONS

PSYCHOSES	Code No.	White Men	White Women	Negro Men	Negro Women	Total
With syphilitic meningo-encephalitis (general paresis).....	10	12	..	39	10	61*
Total.....		12	..	39	10	61*
With other forms of syphilis of the central nervous system:						
Meningo-vascular type (cerebral syphilis).....	21	..	1	1	..	1
Other types.....	23	1	..	..	..	2
Total.....		1	1	1	..	3*
With epidemic encephalitis.....	30	2	..	1	..	3
Total.....		2	..	1	..	3*
With other infectious diseases:						
With other infectious disease.....	44	..	..	2	..	2
Post-infectious psychoses.....	45	1	..	..	..	1
Total.....		1	..	2	..	3*
Due to alcohol:						
Pathological intoxication.....	51	1	..	..	..	1
Delirium tremens.....	52	11	..	4	..	15
Acute hallucinosis.....	54	2	2	15	1	20
Other types.....	55	..	..	3	..	3
Total.....		14	2	22	1	39*
Due to a drug or other exogenous poison:						
Opium or a derivative.....	63	..	2	..	..	2
Another drug.....	64	7	7	1	..	15
Total.....		7	9	1	..	17*
Due to trauma:						
Delirium.....	71	1	..	..	..	1
Mental deterioration.....	73	1	..	1	..	2
Other types.....	74	..	..	1	..	1
Total.....		2	..	2	..	4*
With cerebral arteriosclerosis.....	80	75	56	69	33	233
Total.....		75	56	69	33	233*
With other disturbances of circulation:						
Cardio-renal disease.....	92	5	4	2	..	11
Other types.....	93	2	..	2	2	6
Total.....		7	4	4	2	17*
Due to convulsive disorder (epilepsy):						
Epileptic deterioration.....	101	7	4	5	2	18
Epileptic clouded states.....	102	1	1	2	2	6
Other epileptic types.....	103	1	..	1	..	2
Total.....		9	5	8	4	26*
Senile:						
Simple deterioration.....	111	33	22	8	14	77
Presbyophrenic.....	112	..	1	..	..	1
Delirious and confused.....	113	1	4	..	1	6
Depressed and agitated.....	114	..	..	..	1	1
Paranoid.....	115	2	1	..	1	4
Total.....		36	28	8	17	89*

PSYCHOSES OF FIRST ADMISSIONS—Continued

PSYCHOSES	Code No.	White Men	White Women	Negro Men	Negro Women	Total
Involuntal:						
Melancholia	121	12	19	..	2	33
Paranoid	122	1	6	..	4	11
Other types.....	123	..	1	..	..	1
Total.....		13	26	..	6	45*
Due to other metabolic, etc., diseases:						
With other somatic disease.....	135	2	1	2	1	6
Total.....		2	1	2	1	6*
Due to new growth:						
Intracranial neoplasm.....	141	..	2	..	..	2
Other neoplasms.....	142	1	..	1	..	2
Total.....		1	2	1	..	4*
Due to unknown or hereditary cause but associated with organic change:						
Multiple sclerosis.....	151	..	1	..	..	1
Paralysis agitans.....	152	1	1	..	..	2
Huntington's chorea.....	153	..	1	1	1	3
Other disease of the brain or nervous system.....	154	1	..	..	..	1
Total.....		2	3	1	1	7*
Psychoneuroses:						
Hysteria	161	9	59	1	3	72
Psychasthenia or compulsive states.....	162	..	5	..	..	5
Neurasthenia	163	1	1	..	..	2
Hypochondriasis	164	1	..	..	..	1
Reactive depression.....	165	5	6	..	2	13
Anxiety state.....	166	1	6	..	..	7
Mixed psychoneurosis.....	168	1	10	1	..	12
Total.....		18	87	2	5	112*
Manic-depressive:						
Manic type.....	171	19	9	8	28	64
Depressive	172	23	10	..	5	38
Mixed	174	2	1	..	3	6
Total.....		44	20	8	36	108*
Dementia praecox (schizophrenia):						
Simple	181	3	..	..	..	3
Hebephrenic	182	13	5	27	12	57
Catatonic	183	39	84	59	62	244
Paranoid	184	22	39	14	19	94
Other types.....	185	2	..	..	..	2
Total.....		79	128	100	93	400*
Paranoia and paranoid conditions:						
Paranoia	191	..	1	..	..	1
Paranoid conditions.....	192	8	3	..	5	16
Total.....		8	4	..	5	17*
With psychopathic personality.....	200	..	..	..	1	1
Total.....		..	..	..	1	1*
With mental deficiency.....	210	9	6	11	2	28
Total.....		9	6	11	2	28*

PSYCHOSES OF FIRST ADMISSION—Continued

PSYCHOSES	Code No.	White Men	White Women	Negro Men	Negro Women	Total
Undiagnosed	220	..	..	1	..	1
Total.....		..	..	1	..	1*
TOTAL WITH PSYCHOSES.....		342	382	283	217	1224*
Without psychoses:						
Without mental disorder.....	230	47	16	14	2	79*
Epilepsy	231	2	9	1	2	14
Alcoholism	232	82	11	14	1	108
Drug addiction.....	233	10	5	..	..	15
Mental deficiency.....	234	14	21	16	7	58
Psychopathic personality.....	236	4	3	2	..	9
Psychopathic personality with pathologic sexuality.....	2361	1	..	..	..	1
Psychopathic personality with pathologic emotionality.....	2362	1	2	..	..	3
Psychopathic personality with asocial or amoral trends.....	2363	..	4	..	..	4
Psychopathic personality with mixed trends.....	2364	3	..	..	..	3
Other nonpsychotic diseases or conditions.....	237	8	3	5	1	17
Total.....		172	74	52	13	311*
Primary behavior disorders:						
Simple adult maladjustment.....	241	2	2	..	..	4
Conduct disturbance in children.....	2422	..	1	1	..	2
Total.....		2	3	1	..	6*
TOTAL WITHOUT PSYCHOSES.....		174	77	53	13	317*
GRAND TOTAL.....		516	459	336	230	1541*

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
White Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	12	..	12
With other forms of syphilis of the central nervous system.....	2	1	1	2
With epidemic encephalitis.....	3	2	..	2
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	14	2	16
Due to a drug or other exogenous poison.....	6	7	9	16
Due to trauma	7	2	..	2
With cerebral arteriosclerosis.....	8	75	56	131
With other disturbances of circulation.....	9	7	4	11
Due to convulsive disorder (epilepsy).....	10	9	5	14
Senile	11	36	28	64
Involuntional	12	13	26	39
Due to other metabolic, etc., diseases.....	13	2	1	3
Due to a new growth.....	14	1	2	3
Due to unknown or hereditary cause but associated with organic change.....	15	2	3	5
Psychoneuroses	16	18	87	105
Manic-depressive	17	44	20	64
Dementia praecox (schizophrenia).....	18	79	128	207
Paranoia and paranoid conditions.....	19	8	4	12
With mental deficiency.....	21	9	6	15
Without mental disorder.....	23	172	74	246
Primary behavior disorders.....	24	2	3	5
Total.....		516	459	975*
Under 15 Years:				
Without mental disorder.....	23	2	4	6
Primary behavior disorders.....	24	..	1	1
Total.....		2	5	7*
15-19 Years:				
With other infectious diseases.....	4	1	..	1
With cerebral arteriosclerosis.....	8	1	..	2
Due to convulsive disorder (epilepsy).....	10	1	..	1
Psychoneuroses	16	1	2	3
Dementia praecox (schizophrenia).....	18	15	6	21
Without mental disorder.....	23	9	3	12
Primary behavior disorders.....	24	1	..	1
Total.....		29	12	41*
20-24 Years:				
Due to convulsive disorder (epilepsy).....	10	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	..	4	4
Manic-depressive	17	4	1	5
Dementia praecox (schizophrenia).....	18	10	19	29
With mental deficiency.....	21	2	..	2
Without mental disorder.....	23	14	5	19
Primary behavior disorders.....	24	1	..	1
Total.....		32	31	63*
25-29 Years:				
Due to alcohol	5	2	..	2
Due to a drug or other exogenous poison.....	6	..	1	1
Due to new growth.....	14	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses	16	3	16	19
Manic-depressive	17	2	..	2
Dementia praecox (schizophrenia).....	18	23	21	44
With mental deficiency.....	21	3	..	3
Without mental disorder.....	23	31	9	40
Total.....		66	48	114*

**AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL
PSYCHOSES—Continued
White Race**

PSYCHOSES	Code No.	Men	Women	Total
30-34 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
With other forms of syphilis of the central nervous system.....	2	..	1	1
Due to alcohol	5	2	1	3
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	2	..	2
Due to convulsive disorder (epilepsy).....	10	2	..	2
Psychoneuroses	16	6	15	21
Manic-depressive	17	2	2	4
Dementia praecox (schizophrenia).....	18	15	23	38
Paranoia and paranoid conditions.....	19	1	..	1
With mental deficiency.....	21	2	1	3
Without mental disorder.....	23	22	11	33
Primary behavior disorders.....	24	..	1	1
Total.....		55	55	110*
35-39 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
Due to alcohol	5	3	1	4
Due to a drug or other exogenous poison.....	6	2	..	2
Due to trauma	7	1	..	1
Psychoneuroses	16	2	17	19
Manic-depressive	17	5	2	7
Dementia praecox (schizophrenia).....	18	5	29	34
Paranoia and paranoid conditions.....	19	..	2	2
With mental deficiency.....	21	1	1	2
Without mental disorder.....	23	29	13	42
Total.....		51	65	116*
40-44 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	3	..	3
With epidemic encephalitis.....	3	1	..	1
Due to alcohol	5	3	..	3
Due to a drug or other exogenous poison.....	6	2	5	7
With cerebral arteriosclerosis.....	8	2	..	2
With other disturbances of circulation.....	9	1	..	1
Due to convulsive disorder (epilepsy).....	10	3	1	4
Involuntional	12	..	2	2
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	5	6	11
Manic-depressive	17	8	3	11
Dementia praecox (schizophrenia).....	18	6	9	15
Paranoia and paranoid conditions.....	19	1	..	1
With mental deficiency.....	21	..	2	2
Without mental disorder.....	23	20	6	26
Total.....		55	35	90*
45-49 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
Due to alcohol	5	2	..	2
Due to a drug or other exogenous poison.....	6	1	1	2
With cerebral arteriosclerosis.....	8	3	1	4
With other disturbances of circulation.....	9	..	2	2
Involuntional	12	2	8	10
Due to new growth.....	14	..	2	2
Psychoneuroses	16	..	6	6
Manic-depressive	17	9	2	11
Dementia praecox (schizophrenia).....	18	2	10	12
Paranoia and paranoid conditions.....	19	4	..	4
With mental deficiency.....	21	1	1	2
Without mental disorder.....	23	23	7	30
Total.....		49	40	89*

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL
PSYCHOSES—Continued
White Race

PSYCHOSES	Code No.	Men	Women	Total
50-54 Years:				
Due to alcohol	5	1	..	1
Due to a drug or other exogenous poison.....	6	1	..	1
With cerebral arteriosclerosis.....	8	7	5	12
Due to convulsive disorder (epilepsy).....	10	..	2	2
Involuntional	12	5	6	11
Psychoneuroses	16	1	6	7
Manic-depressive	17	4	5	9
Dementia praecox (schizophrenia).....	18	..	3	3
Without mental disorder.....	23	9	4	13
Total.....		28	31	59*
55-59 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	3	..	3
Due to a drug or other exogenous poison.....	6	..	1	1
With cerebral arteriosclerosis.....	8	5	2	7
With other disturbances of circulation.....	9	1	1	2
Due to convulsive disorder (epilepsy).....	10	1	..	1
Involuntional	12	5	5	10
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	..	5	5
Manic-depressive	17	5	..	5
Dementia praecox (schizophrenia).....	18	..	3	3
Paranoia and paranoid conditions.....	19	..	1	1
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	7	4	11
Total.....		28	23	51*
60-64 Years:				
With syphilitic meningo-encephalitis.....	1	1	..	1
Due to alcohol.....	5	1	..	1
With cerebral arteriosclerosis.....	8	12	9	21
With other disturbances of circulation.....	9	1	..	1
Senile	11	1	..	1
Involuntional	12	1	3	4
Psychoneuroses	16	..	2	2
Manic-depressive	17	1	2	3
Dementia praecox (schizophrenia).....	18	1	..	1
Paranoia and paranoid conditions.....	19	2	..	2
Without mental disorder.....	23	2	1	3
Total.....		23	17	40*
65-69 Years:				
With cerebral arteriosclerosis.....	8	14	17	31
With other disturbances of circulation.....	9	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	3	5	8
Psychoneuroses	16	..	3	3
Manic-depressive	17	3	1	4
Dementia praecox (schizophrenia).....	18	..	1	1
Without mental disorder.....	23	1	..	1
Total.....		23	27	50*

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL
PSYCHOSES—Continued
White Race

PSYCHOSES	Code No.	Men	Women	Total
70 Years and Over:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
Due to a drug or other exogenous poison.....	6	..	1	1
With cerebral arteriosclerosis.....	8	30	20	50
With other disturbances of circulation.....	9	3	1	4
Senile	11	32	23	55
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses	16	..	2	2
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	..	1	1
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	1	3	4
Total.....		67	54	121*
Unascertained:				
With cerebral arteriosclerosis.....	8	1	1	2
Due to convulsive disorder (epilepsy).....	10	..	1	1
Involuntional	12	..	2	2
Due to other metabolic, etc., diseases.....	13	2	..	2
Psychoneuroses	16	..	3	3
Manic-depressive	17	1	1	2
Dementia praecox (schizophrenia).....	18	2	3	5
Without mental disorder.....	23	2	4	6
Primary behavior disorders.....	24	..	1	1
Total.....		8	16	24*

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
Negro Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	39	10	49
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	2	..	2
Due to alcohol.....	5	22	1	23
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma.....	7	2	..	2
With cerebral arteriosclerosis.....	8	69	33	102
With other disturbances of circulation.....	9	4	2	6
Due to convulsive disorder (epilepsy).....	10	8	4	12
Senile.....	11	8	17	25
Involutional.....	12	..	6	6
Due to other metabolic, etc., diseases.....	13	2	1	3
Due to new growth.....	14	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses.....	16	2	5	7
Manic-depressive.....	17	8	36	44
Dementia praecox (schizophrenia).....	18	100	93	193
Paranoia and paranoid conditions.....	19	..	5	5
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	11	2	13
Undiagnosed.....	22	1	..	1
Without mental disorder.....	23	52	13	65
Primary behavior disorders.....	24	1	..	1
Total.....		336	230	566*
Under 15 Years:				
Due to convulsive disorder (epilepsy).....	10	1	..	1
Psychoneuroses.....	16	..	1	1
Manic-depressive.....	17	..	1	1
Dementia praecox (schizophrenia).....	18	..	2	2
With mental deficiency.....	21	2	..	2
Without mental disorder.....	23	11	4	15
Primary behavior disorders.....	24	1	..	1
Total.....		15	8	23*
15-19 Years:				
Due to convulsive disorder (epilepsy).....	10	1	..	1
Manic-depressive.....	17	1	..	1
Dementia praecox (schizophrenia).....	18	19	9	28
With mental deficiency.....	21	5	..	5
Without mental disorder.....	23	12	2	14
Total.....		38	11	49*
20-24 Years:				
With epidemic encephalitis.....	3	1	..	1
Due to convulsive disorder (epilepsy).....	10	2	1	3
Due to other metabolic, etc., diseases.....	13	1	..	1
Psychoneuroses.....	16	..	1	1
Manic-depressive.....	17	1	5	6
Dementia praecox (schizophrenia).....	18	26	21	47
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	2	..	2
Without mental disorder.....	23	3	2	5
Total.....		36	31	67*
25-29 Years:				
Due to alcohol.....	5	4	..	4
With other disturbances of circulation.....	9	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	1	2
Psychoneuroses.....	16	1	..	1
Manic-depressive.....	17	..	3	3
Dementia praecox (schizophrenia).....	18	25	17	42
Without mental disorder.....	23	3	1	4
Total.....		35	23	58*

**AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL
PSYCHOSES—Continued**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
30-34 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	6	2	8
Due to alcohol	5	7	..	7
Due to convulsive disorder (epilepsy).....	10	2	..	2
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses	16	1	1	2
Manic-depressive	17	..	9	9
Dementia praecox (schizophrenia).....	18	10	24	34
With mental deficiency.....	21	1	..	1
Undiagnosed	22	1	..	1
Without mental disorder.....	23	4	1	5
Total.....		32	38	70*
35-39 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	5	..	5
With cerebral arteriosclerosis.....	8	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	..	1	1
Manic-depressive	17	..	7	7
Dementia praecox (schizophrenia).....	18	8	12	20
Paranoia and paranoid conditions.....	19	..	2	2
With mental deficiency.....	21	1	1	2
Without mental disorder.....	23	5	2	7
Total.....		24	26	50*
40-44 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	6	2	8
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	5	1	6
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	2	..	2
With cerebral arteriosclerosis.....	8	5	..	5
Due to convulsive disorder (epilepsy).....	10	1	1	2
Involuntional	12	..	1	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Manic-depressive	17	4	7	11
Dementia praecox (schizophrenia).....	18	9	7	16
Paranoia and paranoid conditions.....	19	..	2	2
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	4	..	4
Total.....		39	22	61*
45-49 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	10	4	14
With cerebral arteriosclerosis.....	8	5	3	8
With other disturbances of circulation.....	9	1	..	1
Involuntional	12	..	2	2
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Manic-depressive	17	1	2	3
Dementia praecox (schizophrenia).....	18	1	..	1
Without mental disorder.....	23	4	1	5
Total.....		22	13	35*

**AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL
PSYCHOSES—Continued**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
50-54 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	5	1	6
With cerebral arteriosclerosis.....	8	12	2	14
With other disturbances of circulation.....	9	..	1	1
Involuntal	12	..	2	2
Manic-depressive	17	1	1	2
Dementia praecox (schizophrenia).....	18	1	1	2
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	2	..	2
Total.....		21	9	30*
55-59 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
With other forms of syphilis of the central nervous system.....	2	1	..	1
Due to alcohol.....	5	1	..	1
With cerebral arteriosclerosis.....	8	6	8	14
With other disturbances of circulation.....	9	1	..	1
Involuntal	12	..	1	1
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	1	..	1
Total.....		12	10	22*
60-64 Years:				
With syphilitic meningo-encephalitis (general paresis).....	1	7	1	8
With cerebral arteriosclerosis.....	8	9	10	19
Senile	11	..	1	1
Due to new growth.....	14	1	..	1
Without mental disorder.....	23	1	..	1
Total.....		18	12	30*
65-69 Years:				
With cerebral arteriosclerosis.....	8	15	5	20
With other disturbances of circulation.....	9	1	1	2
Senile	11	1	3	4
Total.....		17	9	26*
70 Years and Over:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
With cerebral arteriosclerosis.....	8	16	5	21
Senile	11	7	13	20
Total.....		24	18	42*
Unascertained:				
Without mental disorder.....	23	3	..	3
Total.....		3	..	3*

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES

White Race

PSYCHOSES	Code No.	Men	Women	Total
Illiterate:				
Due to alcohol	5	1	..	1
Due to a drug or other exogenous poison.....	6	1	..	1
With cerebral arteriosclerosis.....	8	11	6	17
With other disturbances of circulation.....	9	1	..	1
Due to convulsive disorder (epilepsy).....	10	2	2	4
Senile	11	6	2	8
Involuntal	12	..	3	3
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	1	3	4
Manic-depressive	17	3	..	3
Dementia praecox (schizophrenia).....	18	2	..	2
Paranoia and paranoid conditions.....	19	1	..	1
With mental deficiency.....	21	2	3	5
Without mental disorder.....	23	12	17	29
Total.....		44	36	80*
Reads and Writes:				
With cerebral arteriosclerosis.....	8	1	..	1
Manic-depressive	17	1	..	1
Total.....		2	..	2*
Common School:				
With syphilitic meningo-encephalitis (general paresis).....	1	7	..	7
With other forms of syphilis of the central nervous system.....	2	..	1	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	6	1	7
Due to a drug or other exogenous poison.....	6	4	2	6
Due to trauma	7	2	..	2
With cerebral arteriosclerosis.....	8	40	25	65
With other disturbances of circulation.....	9	2	2	4
Due to convulsive disorder (epilepsy).....	10	6	3	9
Senile	11	22	16	38
Involuntal	12	8	7	15
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to a new growth.....	14	..	1	1
Psychoneuroses	16	8	39	47
Manic-depressive	17	18	5	23
Dementia praecox (schizophrenia).....	18	31	51	82
Paranoia and paranoid conditions.....	19	6	2	8
With mental deficiency.....	21	6	2	8
Without mental disorder.....	23	79	28	107
Primary behavior disorders.....	24	1	1	2
Total.....		249	186	435*

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued

White Race

PSYCHOSES	Code No.	Men	Women	Total
High School:				
With syphilitic meningo-encephalitis (general paresis).....	1	3	..	3
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
Due to alcohol	5	5	..	5
Due to a drug or other exogenous poison.....	6	..	6	6
With cerebral arteriosclerosis.....	8	12	17	29
With other disturbances of circulation.....	9	3	..	3
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	6	6	12
Involuntal	12	2	7	9
Due to new growth.....	14	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses	16	7	29	36
Manic-depressive	17	13	8	21
Dementia praecox (schizophrenia).....	18	34	52	86
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	58	16	74
Primary behavior disorders.....	24	1	2	3
Total.....		149	145	294*
College:				
Due to a drug or other exogenous poison.....	6	1	1	2
With cerebral arteriosclerosis.....	8	4	6	10
With other disturbances of circulation.....	9	1	2	3
Senile	11	1	2	3
Involuntal	12	2	6	8
Due to other metabolic, etc., diseases.....	13	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	..	2	2
Psychoneuroses	16	1	4	5
Manic-depressive	17	6	3	9
Dementia praecox (schizophrenia).....	18	7	19	26
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	13	4	17
Total.....		36	51	87*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
Due to alcohol	5	2	1	3
Due to a drug or other exogenous poison.....	6	1	..	1
With cerebral arteriosclerosis.....	8	7	2	9
Senile	11	1	2	3
Involuntal	12	1	3	4
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to new growth.....	14	..	1	1
Psychoneuroses	16	1	12	13
Manic-depressive	17	3	4	7
Dementia praecox (schizophrenia).....	18	5	6	11
Paranoia and paranoid conditions.....	19	1	..	1
With mental deficiency.....	21	1	1	2
Without mental disorder.....	23	10	9	19
Total.....		36	41	77*

**DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Illiterate:				
With syphilitic meningo-encephalitis (general paresis).....	1	5	2	7
Due to alcohol.....	5	4	..	4
With cerebral arteriosclerosis.....	8	22	7	29
With other disturbances of circulation.....	9	2	1	3
Due to convulsive disorder (epilepsy).....	10	1	1	2
Senile	11	2	8	10
Involuntal	12	..	1	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Manic-depressive	17	2	..	6
Dementia praecox (schizophrenia).....	18	17	4	21
With mental deficiency.....	21	9	2	11
Without mental disorder.....	23	12	8	20
Primary behavior disorders.....	24	1	..	1
Total.....		79	38	117*
Reads and Writes:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
Involuntal	12	..	1	1
Total.....		1	1	2
Common School:				
With syphilitic meningo-encephalitis (general paresis).....	1	23	3	26
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	2	..	2
Due to alcohol	5	14	..	14
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	29	18	47
With other disturbances of circulation.....	9	1	1	2
Due to convulsive disorder (epilepsy).....	10	6	1	7
Senile	11	2	3	5
Involuntal	12	..	3	3
Due to other metabolic, etc., diseases.....	13	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	1	5	6
Manic-depressive	17	6	20	26
Dementia praecox (schizophrenia).....	18	49	66	115
Paranoia and paranoid conditions.....	19	..	4	4
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	1	..	1
Undiagnosed	22	1	..	1
Without mental disorder.....	23	18	2	20
Total.....		157	129	286*
High School:				
With syphilitic meningo-encephalitis (general paresis).....	1	5	..	5
Due to alcohol.....	5	2	1	3
With cerebral arteriosclerosis.....	8	..	1	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	..	1	1
Involuntal	12	..	1	1
Manic-depressive	17	..	5	5
Dementia praecox (schizophrenia).....	18	15	10	25
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	3	1	4
Total.....		25	22	47*

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
College:				
Due to convulsive disorder (epilepsy).....	10	..	1	1
Manic-depressive	17	..	2	2
Dementia praecox (schizophrenia).....	18	1	4	5
Without mental disorder.....	23	..	1	1
Total.....		1	8	9*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	5	5	10
Due to alcohol	5	2	..	2
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	18	7	25
Due to convulsive disorder (epilepsy).....	9	1	..	1
With other disturbances of circulation.....	10	1	..	1
Due to convulsive disorder (epilepsy).....	11	4	..	4
Senile	14	1	..	1
Due to new growth.....	16	1	..	1
Psychoneuroses	17	..	5	5
Manic-depressive	18	18	9	27
Dementia praecox (schizophrenia).....	21	1	..	1
With mental deficiency.....	23	19	1	20
Without mental disorder.....				
Total.....		73	32	105*

ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES

White Race

PSYCHOSES	Code No.	Men	Women	Total
Urban:				
With syphilitic meningo-encephalitis (general paresis).....	1	10	..	10
With other forms of syphilis of the central nervous system.....	2	1	..	1
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	9	1	10
Due to a drug or other exogenous poison.....	6	4	8	12
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	40	25	65
With other disturbances of circulation.....	9	3	2	5
Due to convulsive disorder (epilepsy).....	10	8	2	10
Senile	11	23	11	34
Involutional	12	8	15	23
Due to other metabolic, etc., diseases.....	13	..	1	1
Due to new growth.....	14	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	1	2	3
Psychoneuroses	16	13	46	59
Manic-depressive	17	27	8	35
Dementia praecox (schizophrenia).....	18	47	60	107
Paranoia and paranoid conditions.....	19	7	3	10
With mental deficiency.....	21	3	2	5
Without mental disorder.....	23	117	34	151
Primary behavior disorders.....	24	1	2	3
Total.....		325	223	548*
Rural:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
With other forms of syphilis of the central nervous system.....	2	..	1	1
With epidemic encephalitis.....	3	2	..	2
Due to alcohol	5	5	1	6
Due to a drug or other exogenous poison.....	6	3	1	4
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	28	29	57
With other disturbances of circulation.....	9	3	2	5
Due to convulsive disorder (epilepsy).....	10	1	3	4
Senile	11	13	16	29
Involutional	12	5	9	14
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to new growth.....	14	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses	16	5	39	44
Manic-depressive	17	16	12	28
Dementia praecox (schizophrenia).....	18	29	63	92
Paranoia and paranoid conditions.....	19	1	1	2
With mental deficiency.....	21	6	3	9
Without mental disorder.....	23	47	38	85
Primary behavior disorders.....	24	1	1	2
Total.....		170	221	391*
Unascertained:				
With cerebral arteriosclerosis.....	8	7	2	9
With other disturbances of circulation.....	9	1	..	1
Senile	11	..	1	1
Involutional	12	..	2	2
Due to other metabolic, etc., diseases.....	13	1	..	1
Psychoneuroses	16	..	2	2
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	3	5	8
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	8	2	10
Total.....		21	15	36*

**ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Urban:				
With syphilitic meningo-encephalitis (general paresis).....	1	17	5	22
Due to alcohol	5	11	..	11
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	2	..	2
With cerebral arteriosclerosis.....	8	26	19	45
With other disturbances of circulation.....	9	1	2	3
Due to convulsive disorder (epilepsy).....	10	4	4	8
Senile	11	2	13	15
Involutional	12	..	4	4
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses	16	1	3	4
Manic-depressive	17	3	16	19
Dementia praecox (schizophrenia).....	18	43	46	89
Paranoia and paranoid conditions.....	19	..	2	2
With mental deficiency.....	21	4	..	4
Without mental disorder.....	23	15	7	22
Primary behavior disorders.....	24	1	..	1
Total.....		132	122	254*
Rural:				
With syphilitic meningo-encephalitis (general paresis).....	1	12	4	16
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	2	..	2
Due to alcohol.....	5	8	1	9
With cerebral arteriosclerosis.....	8	34	14	48
With other disturbances of circulation.....	9	2	..	2
Due to convulsive disorder (epilepsy).....	10	3	..	3
Senile	11	5	4	9
Involutional	12	..	2	2
Due to other metabolic, etc., diseases.....	13	2	1	3
Psychoneuroses	16	1	2	3
Manic-depressive	17	4	20	24
Dementia praecox (schizophrenia).....	18	38	46	84
Paranoia and paranoid conditions.....	19	..	3	3
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	7	2	9
Without mental disorder.....	23	20	6	26
Total.....		140	106	246*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	10	1	11
Due to alcohol.....	5	3	..	3
With cerebral arteriosclerosis.....	8	9	..	9
With other disturbances of circulation.....	9	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	1	..	1
Due to new growth.....	14	1	..	1
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	19	1	20
Undiagnosed	22	1	..	1
Without mental disorder.....	23	17	..	17
Total.....		64	2	66*

USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES

White Race

PSYCHOSES	Code No.	Men	Women	Total
Abstinent:				
With syphilitic meningo-encephalitis (general paresis).....	1	8	..	8
With other forms of syphilis of the central nervous system.....	2	..	1	1
With other infectious diseases.....	4	1	..	1
Due to a drug or other exogenous poison.....	6	2	7	9
Due to trauma.....	7	1	..	1
With cerebral arteriosclerosis.....	8	50	44	94
With other disturbances of circulation.....	9	5	4	9
Due to convulsive disorder (epilepsy).....	10	7	3	10
Senile.....	11	32	26	58
Involutional.....	12	10	22	32
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to new growth.....	14	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	2	3	5
Psychoneuroses.....	16	9	60	69
Manic-depressive.....	17	28	15	43
Dementia praecox (schizophrenia).....	18	43	100	143
Paranoia and paranoid conditions.....	19	7	4	11
With mental deficiency.....	21	6	4	10
Without mental disorder.....	23	24	45	69
Primary behavior disorders.....	24	2	2	4
Total.....		239	341	580*
Temperate:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
With epidemic encephalitis.....	3	1	..	1
Due to alcohol.....	5	9	..	9
Due to a drug or other exogenous poison.....	6	3	..	3
Due to trauma.....	7	1	..	1
With cerebral arteriosclerosis.....	8	3	10	13
Due to convulsive disorder (epilepsy).....	10	..	2	2
Senile.....	11	1	1	2
Involutional.....	12	..	2	2
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses.....	16	2	13	15
Manic-depressive.....	17	4	3	7
Dementia praecox (schizophrenia).....	18	8	20	28
With mental deficiency.....	21	..	2	2
Without mental disorder.....	23	79	13	92
Total.....		113	67	180*
Intemperate:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
With epidemic encephalitis.....	3	1	..	1
Due to alcohol.....	5	5	1	6
Due to a drug or other exogenous poison.....	6	2	1	3
With cerebral arteriosclerosis.....	8	15	..	15
With other disturbances of circulation.....	9	2	..	2
Due to convulsive disorder (epilepsy).....	10	2	..	2
Senile.....	11	3	..	3
Involutional.....	12	3	..	3
Psychoneuroses.....	16	6	4	10
Manic-depressive.....	17	11	..	11
Dementia praecox (schizophrenia).....	18	23	7	30
Paranoia and paranoid conditions.....	19	1	..	1
With mental deficiency.....	21	3	..	3
Without mental disorder.....	23	63	13	76
Primary behavior disorders.....	24	..	1	1
Total.....		142	27	169*

USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued

White Race

PSYCHOSES	Code No.	Men	Women	Total
Unascertained:				
With other forms of syphilis of the central nervous system.....	2	1	..	1
Due to alcohol	5	..	1	1
Due to a drug or other exogenous poison.....	6	..	1	1
With cerebral arteriosclerosis.....	8	7	2	9
Senile	11	..	1	1
Involutorial	12	..	2	2
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to new growth.....	14	..	1	1
Psychoneuroses	16	1	10	11
Manic-depressive	17	1	2	3
Dementia praecox (schizophrenia).....	18	5	1	6
Without mental disorder.....	23	6	3	9
Total.....		22	24	46*

**USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Abstinent:				
With syphilitic meningo-encephalitis (general paresis).....	1	23	9	32
Due to alcohol	5	..	1	1
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	36	30	66
With other disturbances of circulation.....	9	2	2	4
Due to convulsive disorder (epilepsy).....	10	7	4	11
Senile	11	6	17	23
Involutional	12	..	6	6
Due to other metabolic, etc., diseases.....	13	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Psychoneuroses	16	1	5	6
Manic-depressive	17	6	31	37
Dementia praecox (schizophrenia).....	18	44	85	129
Paranoia and paranoid conditions.....	19	..	5	5
With mental deficiency.....	21	8	..	8
Without mental disorder.....	23	18	12	30
Primary behavior disorders.....	24	1	..	1
Total.....		155	209	364*
Temperate:				
With syphilitic meningo-encephalitis (general paresis).....	1	6	..	6
With other infectious diseases.....	4	1	..	1
With cerebral arteriosclerosis.....	8	13	..	13
With other disturbances of circulation.....	9	1	..	1
Senile	11	1	..	1
Psychoneuroses	16	1	..	1
Manic-depressive	17	2	4	6
Dementia praecox (schizophrenia).....	18	23	5	28
With mental deficiency.....	21	..	2	2
Undiagnosed	22	1	..	1
Without mental disorder.....	23	6	..	6
Total.....		55	11	66*
Intemperate:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
Due to alcohol	5	21	..	21
Due to a drug or other exogenous poison.....	6	1	..	1
With cerebral arteriosclerosis.....	8	5	..	5
Due to convulsive disorder (epilepsy).....	10	1	..	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Dementia praecox (schizophrenia).....	18	12	..	12
With psychopathic personality.....	20	..	1	1
Without mental disorder.....	23	15	1	16
Total.....		56	3	59*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	10	..	10
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	1	..	1
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	15	3	18
With other disturbances of circulation.....	9	1	..	1
Senile	11	1	..	1
Involutional	14	1	..	1
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	21	3	24
With mental deficiency.....	21	3	..	3
Without mental disorder.....	23	13	..	13
Total.....		70	7	77*

**MARITAL STATUS OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

White Race

PSYCHOSES	Code No.	Men	Women	Total
Single:				
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	1	..	1
Due to alcohol	5	2	..	2
Due to a drug or other exogenous poison.....	6	2	1	3
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	6	6	12
With other disturbances of circulation.....	9	..	3	3
Due to convulsive disorder (epilepsy).....	10	7	4	11
Senile	11	6	5	11
Involuntal	12	2	7	9
Due to new growth.....	14	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	1	2	3
Psychoneuroses	16	5	13	18
Manic-depressive	17	10	1	11
Dementia praecox (schizophrenia).....	18	49	30	79
Paranoia and paranoid conditions.....	19	..	1	1
With mental deficiency.....	21	7	1	8
Without mental disorder.....	23	48	21	69
Primary behavior disorders.....	24	2	1	3
Total.....		151	97	248*
Married:				
With syphilitic meningo-encephalitis (general paresis).....	1	8	..	8
With other forms of syphilis of the central nervous system.....	2	1	1	2
With epidemic encephalitis.....	3	1	..	1
Due to alcohol	5	7	1	8
Due to a drug or other exogenous poison.....	6	5	4	9
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	57	16	73
With other disturbances of circulation.....	9	5	..	5
Due to convulsive disorder (epilepsy).....	10	1	1	2
Senile	11	18	5	23
Involuntal	12	11	13	24
Due to other metabolic, etc., diseases.....	13	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	10	62	72
Manic-depressive	17	29	12	41
Dementia praecox (schizophrenia).....	18	22	73	95
Paranoia and paranoid conditions.....	19	5	2	7
With mental deficiency.....	21	2	3	5
Without mental disorder.....	23	96	31	127
Primary behavior disorders.....	24	..	1	1
Total.....		280	226	506*
Widowed:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
Due to alcohol.....	5	1	..	1
Due to a drug or other exogenous poison.....	6	..	2	2
With cerebral arteriosclerosis.....	8	8	32	40
With other disturbances of circulation.....	9	1	1	2
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	9	17	26
Involuntal	12	..	5	5
Psychoneuroses	16	..	5	5
Manic-depressive	17	2	4	6
Dementia praecox (schizophrenia).....	18	..	5	5
Paranoia and paranoid conditions.....	19	1	1	2
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	4	9	13
Total.....		28	82	110*

MARITAL STATUS OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued

White Race

PSYCHOSES	Code No.	Men	Women	Total
Separated:				
With syphilitic meningo-encephalitis (general paresis).....	1	2	..	2
Due to alcohol	5	1	..	1
Due to a drug or other exogenous poison.....	6	..	2	2
With cerebral arteriosclerosis.....	8	1	1	2
Due to new growth.....	14	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	..	3	3
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	1	4	5
Paranoia and paranoid conditions.....	19	2	..	2
Without mental disorder.....	23	11	3	14
Primary behavior disorders.....	24	..	1	1
Total.....		18	17	35*
Divorced:				
Due to alcohol.....	5	3	1	4
With cerebral arteriosclerosis.....	8	3	..	3
Senile	11	1	..	1
Involutional	12	..	1	1
Psychoneuroses	16	3	3	6
Manic-depressive	17	2	..	2
Dementia praecox (schizophrenia).....	18	6	10	16
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	10	6	16
Total.....		28	22	50*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	1	..	1
With cerebral arteriosclerosis.....	8	..	1	1
With other disturbances of circulation.....	9	1	..	1
Senile	11	2	1	3
Due to other metabolic, etc., diseases.....	13	2	..	2
Psychoneuroses	16	..	1	1
Manic-depressive	17	1	2	3
Dementia praecox (schizophrenia).....	18	1	6	7
Without mental disorder.....	23	3	4	7
Total.....		11	15	26*

**MARITAL STATUS OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Single:				
With syphilitic meningo-encephalitis (general paresis).....	1	5	2	7
Due to alcohol.....	5	9	..	9
With cerebral arteriosclerosis.....	8	8	..	8
Due to convulsive disorder (epilepsy).....	10	4	1	5
Senile	11	1	..	1
Involuntal	12	..	1	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	..	1	1
Manic-depressive	17	2	8	10
Dementia praecox (schizophrenia).....	18	54	31	85
With mental deficiency.....	21	11	2	13
Without mental disorder.....	23	25	11	36
Primary behavior disorders.....	24	1	..	1
Total.....		122	57	179*
Married:				
With syphilitic meningo-encephalitis (general paresis).....	1	21	5	26
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	..	1
With other infectious diseases.....	4	2	..	2
Due to alcohol	5	7	1	8
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	35	15	50
With other disturbances of circulation.....	9	3	..	3
Due to convulsive disorder (epilepsy).....	10	4	2	6
Senile	11	1	2	3
Involuntal	12	..	4	4
Due to other metabolic, etc., diseases.....	13	1	1	2
Psychoneuroses	16	2	4	6
Manic-depressive	17	6	22	28
Dementia praecox (schizophrenia).....	18	33	47	80
Paranoia and paranoid conditions.....	19	..	4	4
With psychopathic personality	20	..	1	1
Undiagnosed	22	1	..	1
Without mental disorder.....	23	12	1	13
Total.....		132	109	241*
Widowed:				
With syphilitic meningo-encephalitis (general paresis).....	1	3	..	3
Due to alcohol	5	1	..	1
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	11	16	27
With other disturbances of circulation.....	9	1	1	2
Senile	11	5	13	18
Involuntal	12	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	2	3	5
Total.....		24	36	60*
Separated:				
Due to alcohol.....	5	1	..	1
Dementia praecox (schizophrenia).....	18	1	1	2
Total.....		2	1	3*

MARITAL STATUS OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Divorced:				
With syphilitic meningo-encephalitis (general paresis).....	1	6	2	8
Due to alcohol.....	5	2	..	2
With cerebral arteriosclerosis.....	8	9	2	11
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	1	2	3
Manic-depressive	17	..	4	4
Dementia praecox (schizophrenia).....	18	3	11	14
Paranoia and paranoid conditions.....	19	..	1	1
Without mental disorder.....	23	4	1	5
Total.....		25	24	49*
Unascertained:				
With syphilitic meningo-encephalitis (general paresis).....	1	4	1	5
Due to alcohol.....	5	2	..	2
With cerebral arteriosclerosis.....	8	6	..	6
With other disturbances of circulation.....	9	..	1	1
Due to new growth.....	14	1	..	1
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	7	..	7
Without mental disorder.....	23	11	..	11
Total.....		31	3	34*

PSYCHOSES OF READMISSIONS

PSYCHOSES	Code No	White Men	White Women	Negro Men	Negro Women	Total
With syphilitic meningo-encephalitis (general paresis).....	10	1	2	1	1	5*
Total.....		1	2	1	1	5*
With epidemic encephalitis.....	30	1	2	..	..	3
Total.....		1	2	..	..	3
Due to alcohol:						
Delirium tremens.....	52	1	..	1	..	2
Acute hallucinosis.....	54	..	..	1	..	1
Total.....		1	..	2	..	3*
Due to a drug or other exogenous poison:						
Due to another drug.....	64	1	2	..	..	3
Total.....		1	2	..	..	3*
Delirium due to trauma.....	71	1	..	..	..	1
Total.....		1	..	..	..	1*
With cerebral arteriosclerosis.....	80	17	12	4	4	37
Total.....		17	12	4	4	37*
With other disturbances of circulation:						
Cardio-renal disease.....	92	1	1	..	..	2
Other types.....	93	..	1	..	..	1
Total.....		1	2	..	..	3*
Due to convulsive disorder (epilepsy):						
Epileptic deterioration.....	101	8	6	..	..	14*
Epileptic clouded states.....	102	1	..	1	..	2
Other epileptic types.....	103	2	..	..	..	2
Total.....		11	6	1	..	18*
Senile:						
Simple deterioration.....	111	4	1	..	..	5
Total.....		4	1	..	..	5*
Involuntal:						
Melancholia	121	5	4	..	..	9
Total.....		5	4	..	..	9*
Psychoneuroses:						
Hysteria	161	..	22	..	..	22*
Psychasthenia or compulsive states.....	162	..	3	..	..	3
Reactive depression.....	165	2	2	..	..	4
Anxiety state.....	166	..	1	..	..	1
Mixed psychoneurosis.....	168	..	7	..	..	7
Total.....		2	35	..	..	37*
Manic depressive:						
Manic	171	15	16	10	17	58
Depressive	172	11	10	..	..	21
Circular	173	1	..	..	..	1
Total.....		27	26	10	17	80*

PSYCHOSES OF READMISSIONS—Continued

PSYCHOSES	Code No.	White Men	White Women	Negro Men	Negro Women	Total
Dementia praecox (schizophrenia):						
Simple	181	1	1	..	..	2
Hebephrenic	182	9	3	4	6	22
Catatonic	183	22	39	8	9	78
Paranoid	184	8	9	2	1	20
Total.....		40	52	14	16	122*
Paranoia and paranoid conditions:						
Paranoia	191	1	1	..	..	2
Paranoid conditions.....	192	2	2	..	..	4
Total.....		3	3	..	..	6*
With mental deficiency.....	210	7	4	1	1	13*
Total.....		7	4	1	1	13*
TOTAL WITH PSYCHOSES.....		122	151	33	39	345*
Without psychoses:						
Without mental disorder.....	230	4	..	3	..	7*
Epilepsy	231	1	1	..	..	2
Alcoholism	232	39	7	2	..	48
Drug addiction.....	233	4	4	..	..	8
Mental deficiency.....	234	9	5	3	1	18
Psychopathic personality.....	235	7	1	..	..	8
Psychopathic personality with pathologic emotionality....	236	1	1	..	..	2
Psychopathic personality with asocial or amoral trends....	237	..	2	..	..	2
Psychopathic personality with mixed trends.....	238	..	1	..	..	1
Other nonpsychotic diseases or conditions.....	239	..	..	1	..	1
TOTAL WITHOUT PSYCHOSES.....		65	22	9	1	97*
GRAND TOTAL.....		187	173	42	40	442*

**DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
AND CONDITION ON DISCHARGE**

White Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	10	4	14
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	1	2
Due to alcohol	5	41	4	45
Due to a drug or other exogenous poison.....	6	11	14	25
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	42	31	73
With other disturbances of circulation.....	9	5	2	7
Due to convulsive disorder (epilepsy).....	10	19	13	32
Senile	11	5	3	8
Involuntional	12	18	29	47
Due to other metabolic, etc., diseases.....	13	2	1	3
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	48	149	197
Manic-depressive	17	66	61	127
Dementia praecox (schizophrenia).....	18	67	121	188
Paranoia and paranoid conditions.....	19	11	13	24
With psychopathic personality.....	20	3	..	3
With mental deficiency.....	21	21	10	31
Undiagnosed	22	1	1	2
Total with psychoses.....		373	458	831*
Recovered:				
Due to alcohol	5	16	3	19
Due to a drug or other exogenous poison.....	6	5	6	11
Involuntional	12	1	..	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Psychoneuroses	16	8	4	12
Manic-depressive	17	1	3	4
Dementia praecox (schizophrenia).....	18	1	..	1
With psychopathic personality.....	20	1	..	1
With mental deficiency.....	21	1	..	1
Total.....		35	16	51*
Improved:				
With syphilitic meningo-encephalitis (general paresis).....	1	10	4	14
With other forms of syphilis of the central nervous system.....	2	1	..	1
With epidemic encephalitis.....	3	1	1	2
Due to alcohol	5	25	1	26
Due to a drug or other exogenous poison.....	6	6	8	14
Due to trauma	7	1	..	1
With cerebral arteriosclerosis.....	8	34	28	62
With other disturbances of circulation.....	9	4	1	5
Due to convulsive disorder (epilepsy).....	10	17	12	29
Senile	11	2	2	4
Involuntional	12	16	29	45
Due to other metabolic, etc., diseases.....	13	1	1	2
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Psychoneuroses	16	37	145	182
Manic-depressive	17	64	56	120
Dementia praecox.....	18	60	117	177
Paranoia and paranoid conditions.....	19	10	12	22
With psychopathic personality.....	20	2	..	2
With mental deficiency.....	21	18	10	28
Undiagnosed	22	1	1	2
Total.....		310	429	739*

DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
AND CONDITION ON DISCHARGE—Continued

White Race

PSYCHOSES	Code No.	Men	Women	Total
Unimproved:				
With cerebral arteriosclerosis.....	8	8	3	11
With other disturbances of circulation.....	9	1	1	2
Due to convulsive disorder (epilepsy).....	10	2	1	3
Senile	11	3	1	4
Involuntional	12	1	..	1
Psychoneuroses	16	3	..	3
Manic-depressive	17	1	2	3
Dementia praecox (schizophrenia).....	18	6	4	10
Paranoia and paranoid conditions.....	19	1	1	2
With mental deficiency.....	21	2	..	2
Total.....		28	13	41*
TOTAL WITH PSYCHOSES.....		373	458	831*
Without Psychoses:				
Epilepsy	6	7	13	
Alcoholism	143	20	163	
Drug addiction.....	14	12	26	
Psychopathic personality.....	18	13	31	
Mental deficiency.....	18	18	36	
Without mental disorder.....	56	19	75	
TOTAL WITHOUT PSYCHOSES.....		255	89	344*
GRAND TOTAL.....		628	547	1175*

**DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
AND CONDITION ON DISCHARGE**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	26	5	31
With other forms of syphilis of the central nervous system.....	2	..	1	1
With other infectious diseases.....	4	2	..	2
Due to alcohol	5	27	1	28
Due to a drug or other exogenous poison.....	6	1	..	1
Due to trauma	7	..	2	2
With cerebral arteriosclerosis.....	8	26	15	41
With other disturbances of circulation.....	9	2	1	3
Due to convulsive disorder (epilepsy).....	10	9	5	14
Senile	11	1	3	4
Involuntal	12	..	1	1
Due to other metabolic, etc., diseases.....	13	2	2	4
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneurosis	16	3	8	11
Manic-depressive	17	34	58	92
Dementia praecox (schizophrenia).....	18	48	44	92
Paranoia and paranoid conditions.....	19	2	1	3
With mental deficiency.....	21	6	3	9
Total with psychoses.....		190	150	340*
Recovered:				
With other infectious diseases.....	4	2	..	2
Due to alcohol	5	18	1	19
Due to a drug or other exogenous poison.....	6	1	..	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Psychoneuroses	16	..	1	1
Manic-depressive	17	2	8	10
Total.....		24	10	34*
Improved:				
With syphilitic meningo-encephalitis (general paresis).....	1	26	5	31
With other forms of syphilis of the central nervous system.....	2	..	1	1
Due to alcohol	5	9	..	9
Due to trauma	7	..	2	2
With cerebral arteriosclerosis.....	8	23	15	38
With other disturbances of circulation.....	9	2	1	3
Due to convulsive disorder (epilepsy).....	10	7	5	12
Senile	11	1	3	4
Involuntal	12	..	1	1
Due to other metabolic, etc., diseases.....	13	1	2	3
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Psychoneuroses	16	2	7	9
Manic-depressive	17	32	50	82
Dementia praecox (schizophrenia).....	18	46	43	89
Paranoia and paranoid conditions.....	19	2	1	3
With mental deficiency.....	21	6	3	9
Total.....		158	139	297*
Unimproved:				
With cerebral arteriosclerosis.....	8	3	..	3
Due to convulsive disorder (epilepsy).....	10	2	..	2
Psychoneuroses	16	1	..	1
Dementia praecox (schizophrenia).....	18	2	1	3
Total		8	1	9*
TOTAL WITH PSYCHOSES.....		190	150	340*

DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
AND CONDITION ON DISCHARGE—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Without Psychoses:				
Alcoholism	16	1	17	
Psychopathic personality.....	2	..	2	
Mental deficiency.....	16	5	21	
Without mental disorder.....	17	5	22	
TOTAL WITHOUT PSYCHOSES.....		51	11	62*
GRAND TOTAL.....		241	161	402*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

White Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	6	1	7
With other forms of syphilis of the central nervous system.....	2	..	1	1
With epidemic encephalitis.....	3	..	1	1
Due to alcohol	5	2	..	2
With cerebral arteriosclerosis.....	8	42	32	74
With other disturbances of circulation.....	9	9	5	14
Due to convulsive disorder (epilepsy).....	10	2	7	9
Senile	11	21	28	49
Involutional	12	1	2	3
Due to other metabolic, etc., diseases.....	13	2	2	4
Due to unknown or hereditary cause but associated with organic change.....	15	2	1	3
Psychoneuroses	16	1	2	3
Manic-depressive	17	6	1	7
Dementia praecox (schizophrenia).....	18	11	15	26
Paranoia and paranoid conditions.....	19	2	3	5
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	3	3	6
Undiagnosed	22	2	..	2
Without mental disorder.....	23	3	2	5
Total.....		115	107	222*
Cause of Death:				
Pulmonary tuberculosis.....	002	9	1	10
Syphilitic meningo-encephalitis.....	025	4	2	6
Septicemia	0534	1	..	1
Post-encephalitic psychosis.....	0832	..	1	1
Neoplasms:				
Pancreas	157	1	..	1
Pleura	163	..	1	1
Carcinoma of breast.....	170	..	2	2
Cervix	171	..	2	2
Sarcoma of mandible.....	196	..	1	1
Carcinoma of uterus.....	199	..	2	2
Reticulum cell sarcoma.....	200	..	1	1
Carcinoma of colon.....	230	..	1	1
Cyst of third ventricle.....	237	1	..	1
Senile psychosis.....	304	1	..	1
Exhaustion, mental.....	3183	..	2	2
Alcoholism, acute.....	322	1	..	1
Alcoholism, chronic.....	3221	1	..	1
Cerebral hemorrhage.....	331	2	13	15
Cerebral thrombosis.....	332	..	3	3
Cerebral arteriosclerosis.....	334	22	5	27
Epilepsy	353	1	..	1
Epilepsy, grand mal (idiopathic).....	3532	1	3	4
Wilson's disease.....	355	1	..	1
Heart disease involving coronary arteries.....	4201	6	16	22
Chronic myocarditis with arteriosclerosis.....	4221	20	13	33
Chronic myocarditis (interstitial).....	4222	..	5	5
Congestive heart failure.....	4341	..	2	2
Hypertensive cardiovascular disease.....	443	..	1	1
General arteriosclerosis.....	450	33	24	57
General arteriosclerosis with gangrene.....	4501	1	..	1
Gangrene of leg.....	455	..	1	1
Lobar pneumonia.....	490	..	1	1
Bronchiectasis	526	1	..	1
Intestinal obstruction.....	5705	1	2	3
Chronic nephritis.....	592	..	2	2
Decubital ulcers.....	715	1	..	1
Premature infant.....	774	1	..	1
Uremia	792	..	1	1
Senility	794	2	..	2
Strangulation by hanging.....	E974	2	..	2
Total.....		115	107	222

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES—Continued

White Race

CAUSE OF DEATH	Code No.	Men	Women	Total
Senile:				
Neoplasms:				
Pancreas	157	1	..	1
Senile psychosis	304	1	..	1
Cerebral hemorrhage	331	..	2	2
Cerebral arteriosclerosis	334	1	2	3
Heart disease involving coronary arteries	4201	1	1	2
Chronic myocarditis with arteriosclerosis	4221	2	7	9
Chronic myocarditis (interstitial)	4222	..	2	2
General arteriosclerosis	450	14	14	28
Lobar pneumonia	490	1	..	1
Total		21	28	49*
Cerebral Arteriosclerosis:				
Exhaustion, mental	3183	..	1	1
Cerebral hemorrhage	331	2	6	8
Cerebral thrombosis	332	..	3	3
Cerebral arteriosclerosis	334	19	2	21
Heart disease involving coronary arteries	4201	..	5	5
Chronic myocarditis with arteriosclerosis	4221	9	3	12
Chronic myocarditis (interstitial)	4222	..	2	2
Hypertensive cardiovascular disease	443	..	1	1
General arteriosclerosis	450	10	6	16
General arteriosclerosis with gangrene	4501	1	..	1
Intestinal obstruction	5705	..	1	1
Chronic nephritis	592	..	1	1
Uremia	792	..	1	1
Senility	794	1	..	1
Total		42	32	74*
Syphilitic Meningo Encephalitis:				
Pulmonary tuberculosis	002	1	..	1
Syphilitic meningo-encephalitis	025	4	1	5
Chronic myocarditis with arteriosclerosis	4221	1	..	1
Total		6	1	7*
Alcoholic:				
Alcoholism, acute	322	1	..	1
Alcoholism, chronic	3221	1	..	1
Total		2	..	2*
Manic Depressive:				
Pulmonary tuberculosis	002	2	..	2
Septicemia	0534	1	..	1
Heart disease involving coronary arteries	4201	..	1	1
General arteriosclerosis	450	2	..	2
Senility	794	1	..	1
Total		6	1	7*
Involuntal Psychoses:				
Neoplasms:				
Carcinoma of breast	170	..	1	1
Sarcoma of mandible	196	..	1	1
Strangulation by hanging	E 974	1	..	1
Total		1	2	3*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES—Continued

White Race

CAUSE OF DEATH	Code No.	Men	Women	Total
Dementia Praecox:				
Pulmonary tuberculosis.....	002	2	..	2
Neoplasms:				
Pleura	163	..	1	1
Carcinoma of breast.....	170	..	1	1
Cervix	171	..	1	1
Reticulum cell sarcoma.....	200	..	1	1
Cerebral hemorrhage.....	331	1	2	2
Cerebral arteriosclerosis.....	334	1	..	1
Heart disease involving coronary arteries.....	4201	2	5	7
Chronic myocarditis with arteriosclerosis.....	4221	3	1	4
General arteriosclerosis.....	450	1	3	4
Intestinal obstruction.....	5705	1	..	1
Decubital ulcers.....	715	1	..	1
Total.....		11	15	26*
Paranoia and Paranoid Conditions:				
Heart disease involving coronary arteries.....	4201	1	2	3
Congestive heart failure.....	4341	..	1	1
General arteriosclerosis.....	450	1	..	1
Total.....		2	3	5*
Convulsive Disorders—Epilepsy:				
Pulmonary tuberculosis.....	002	..	1	1
Neoplasms:				
Carcinoma of uterus.....	199	..	1	1
Carcinoma of colon.....	230	..	1	1
Cerebral hemorrhage.....	331	..	2	2
Epilepsy	353	1	..	1
Epilepsy, grand mal (idiopathic).....	3532	..	2	2
Bronchiectasis	526	1	..	1
Total.....		2	7	9*
Psychoneuroses:				
Cerebral hemorrhage.....	331	..	1	1
Chronic myocarditis with arteriosclerosis.....	4221	1	..	1
Intestinal obstruction.....	5705	..	1	1
Total.....		1	2	3
With Mental Deficiency:				
Pulmonary tuberculosis.....	002	1	..	1
Neoplasms:				
Carcinoma of uterus.....	199	..	1	1
Status epilepticus.....	3532	1	..	1
Heart disease involving coronary arteries.....	4201	..	1	1
Chronic myocarditis with arteriosclerosis.....	4221	1	1	2
Total.....		3	3	6*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES—Continued

White Race

CAUSE OF DEATH	Code No.	Men	Women	Total
All Other Psychoses:				
Pulmonary tuberculosis.....	002	3	..	3
Syphilitic meningo-encephalitis.....	025	..	1	1
Post-encephalitic psychosis.....	0832	..	1	1
Neoplasms:				
Cervix	171	..	1	1
Cyst of third ventricle.....	237	1	..	1
Exhaustion, mental.....	3183	..	1	1
Cerebral arteriosclerosis.....	334	1	1	2
Status epilepticus.....	3532	..	1	1
Wilson's disease.....	355	1	..	1
Heart disease involving coronary arteries.....	4201	2	1	3
Chronic myocarditis with arteriosclerosis.....	4221	3	1	4
Chronic myocarditis (interstitial).....	4222	..	1	1
Congestive heart failure.....	4341	..	1	1
General arteriosclerosis.....	450	5	1	6
Gangrene of leg.....	455	..	1	1
Chronic nephritis.....	592	..	1	1
Premature infant.....	774	1	..	1
Strangulation by hanging.....	E974	1	..	1
Total.....		18	13	31*
GRAND TOTAL.....		115	107	222*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
Negro Race

PSYCHOSES	Code No.	Men	Women	Total
With syphilitic meningo-encephalitis (general paresis).....	1	18	2	20
With other forms of syphilis of the central nervous system.....	2	1	..	1
With cerebral arteriosclerosis.....	8	35	23	58
With other disturbances of circulation.....	9	5	3	8
Due to convulsive disorder (epilepsy).....	10	6	4	10
Senile	11	9	10	19
Due to new growth.....	14	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Manic-depressive	17	4	5	9
Dementia praecox (schizophrenia).....	18	17	12	29
With mental deficiency.....	21	6	1	7
Undiagnosed	22	1	..	1
Without mental disorder.....	23	7	..	7
Total.....		111	60	171*
Cause of Death:				
Pulmonary tuberculosis.....	002	13	6	19
Syphilitic meningo-encephalitis.....	025	15	2	17
Neoplasms:				
Lung	162	1	..	1
Mediastinum	164	1	..	1
Carcinoma of breast.....	170	..	1	1
Epithelioma of penis.....	179	1	..	1
Lymphosarcoma	2001	1	..	1
Malnutrition	2865	1	..	1
Senile psychosis.....	304	..	1	1
Psychosis with cerebral arteriosclerosis.....	306	2	1	3
Epilepsy and other convulsive disorders.....	3081	4	..	4
Exhaustion, mental.....	3183	4	2	6
Cerebral hemorrhage.....	331	2	3	5
Cerebral arteriosclerosis.....	334	12	7	19
Epilepsy	353	..	2	2
Epilepsy, grand mal (idiopathic).....	3531	1	..	1
Heart disease involving coronary arteries.....	4201	12	4	16
Chronic myocarditis with arteriosclerosis.....	4221	1	..	1
Congestive heart failure.....	4341	1	1	2
Cardiovascular renal (hypertensive) disease.....	442	4	1	5
Hypertensive cardiovascular disease.....	443	2	2	4
General arteriosclerosis.....	450	22	16	38
Bronchopneumonia	491	..	1	1
Pulmonary congestion and hypostasis.....	522	2	..	2
Intestinal obstruction.....	5705	..	1	1
Ulcerative colitis.....	5722	..	1	1
Peritonitis	576	..	1	1
Intra-cranial hemorrhage—birth injury.....	760	1	..	1
Lobar pneumonia.....	763	1	..	1
Diarrhea and enteritis.....	764	..	1	1
Malnutrition	772	..	1	1
Prematurity	776	1	..	1
Convulsive disorder.....	7802	1	..	1
Hemoptysis and pulmonary hemorrhage.....	7831	2	..	2
Gastric hemorrhage.....	7845	..	1	1
Uremia	792	1	..	1
Senility	794	1	4	5
Drowning, accidental.....	N990	1	..	1
Total.....		111	60	171*
Senile:				
Senile psychosis.....	304	..	1	1
Cerebral arteriosclerosis.....	334	1	..	1
Heart disease involving coronary arteries.....	4201	2	..	2
Chronic myocarditis with arteriosclerosis.....	4221	1	..	1
Congestive heart failure.....	4341	1	..	1
General arteriosclerosis.....	450	3	5	8
Senility	794	1	4	5
Total.....		9	10	19*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Cerebral Arteriosclerosis:				
Pulmonary tuberculosis.....	002	..	1	1
Psychosis with cerebral arteriosclerosis.....	306	2	1	3
Cerebral hemorrhage.....	331	2	3	5
Cerebral arteriosclerosis.....	334	9	6	15
Heart disease involving coronary arteries.....	4201	2	2	4
Cardiovascular renal (hypertensive) disease.....	442	4	1	5
Hypertensive cardiovascular disease.....	443	1	1	2
General arteriosclerosis.....	450	15	8	23
Total.....		35	23	58*
Syphilitic Meningo Encephalitis:				
Pulmonary tuberculosis.....	002	1	..	1
Syphilitic meningo-encephalitis.....	025	13	2	15
Heart disease involving coronary arteries.....	4201	2	..	2
Pulmonary congestion and hypostasis.....	522	1	..	1
Uremia.....	792	1	..	1
Total.....		18	2	20*
Manic Depressive:				
Pulmonary tuberculosis.....	002	2	1	3
Neoplasms:				
Epithelioma of penis.....	179	1	..	1
Exhaustion, mental.....	3183	..	1	1
Heart disease involving coronary arteries.....	4201	1	1	2
Bronchopneumonia.....	491	..	1	1
Gastric hemorrhage.....	7845	..	1	1
Total.....		4	5	9*
Dementia Praecox:				
Pulmonary tuberculosis.....	002	5	1	6
Neoplasms:				
Mediastinum.....	164	1	..	1
Carcinoma of breast.....	170	..	1	1
Exhaustion, mental.....	3183	2	1	3
Cerebral arteriosclerosis.....	334	1	1	2
Heart disease involving coronary arteries.....	4201	3	1	4
Hypertensive cardiovascular disease.....	443	1	1	2
General arteriosclerosis.....	450	2	2	4
Intestinal obstruction.....	5705	..	1	1
Ulcerative colitis.....	5722	..	1	1
Diarrhea and enteritis.....	764	..	1	1
Malnutrition.....	772	..	1	1
Convulsive disorder.....	7802	1	..	1
Hemoptysis and pulmonary hemorrhage.....	7831	1	..	1
Total.....		17	12	29*
Convulsive Disorders—Epilepsy:				
Pulmonary tuberculosis.....	002	3	2	5
Epilepsy and convulsive disorders.....	3081	2	..	2
Epilepsy.....	353	..	1	1
Peritonitis.....	576	..	1	1
Drowning, accidental.....	N890	1	..	1
Total.....		6	4	10*

DEATHS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
With Mental Deficiency:				
Pulmonary tuberculosis.....	002	1	..	1
Neoplasms:				
Lymphosarcoma	2001	1	..	1
Epilepsy and convulsive disorders.....	3081	2	..	2
Epilepsy	353	..	1	1
Lobar pneumonia.....	763	1	..	1
Hemoptysis and pulmonary hemorrhage.....	7831	1	..	1
Total.....		6	1	7*
All Other Psychoses:				
Pulmonary tuberculosis.....	002	1	1	2
Syphilitic meningo-encephalitis.....	025	2	..	2
Neoplasms:				
Lung	162	1	..	1
Malnutrition	2865	1	..	1
Exhaustion, mental.....	3181	2	..	2
Cerebral arteriosclerosis.....	334	1	..	1
Epilepsy, grand mal (idiopathic).....	3531	1	..	1
Heart disease involving coronary arteries.....	4201	2	..	2
Congestive heart failure.....	4341	..	1	1
General arteriosclerosis.....	450	2	1	3
Pulmonary congestion and hypostasis.....	522	1	..	1
Intra-cranial hemorrhage—birth injury.....	760	1	..	1
Prematurity	776	1	..	1
Total.....		16	3	19*
GRAND TOTAL.....		111	60	171*

**AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

White Race

PSYCHOSES	Code No.	Men	Women	Total
Under 15 Years:				
Without mental disorder.....	23	1	..	1
Total.....		1	..	1*
15-19 Years:				
With mental deficiency.....	21	1	..	1
Total.....		1	..	1*
20-24 Years:				
Due to convulsive disorder (epilepsy).....	10	1	..	1
Total.....		1	..	1*
25-29 Years:				
Due to alcohol.....	05	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	1	2
Total.....		2	2	4*
30-34 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With other forms of syphilis of the central nervous system.....	02	..	1	1
Manic-depressive.....	17	1	..	1
Dementia praecox (schizophrenia).....	18	1	..	1
Total.....		3	1	4*
35-39 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Manic-depressive.....	17	1	..	1
With mental deficiency.....	21	1	..	1
Total.....		3	1	4*
40-44 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	2	..	2
Due to convulsive disorder (epilepsy).....	10	1	1	2
Dementia praecox (schizophrenia).....	18	1	..	1
With mental deficiency.....	21	..	1	1
Total.....		4	2	6*
45-49 Years:				
With cerebral arteriosclerosis.....	08	..	1	1
With other disturbances of circulation.....	09	..	1	1
Involuntional.....	12	1	..	1
Due to other metabolic, etc., diseases.....	13	1	..	1
Dementia praecox (schizophrenia).....	18	3	2	5
Without mental disorder.....	23	1	..	1
Total.....		6	4	10*

**AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued**

White Race

PSYCHOSES	Code No.	Men	Women	Total
50-54 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With epidemic encephalitis.....	03	..	1	1
Due to a drug or other exogenous poison.....	08	1	1	2
Due to convulsive disorder (epilepsy).....	10	..	2	2
Due to other metabolic, etc., diseases.....	13	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Dementia praecox (schizophrenia).....	18	1	1	2
Total.....		5	5	10*
55-59 Years:				
Due to alcohol.....	05	1	..	1
With cerebral arteriosclerosis.....	08	8	1	9
Manic-depressive.....	17	1	..	1
With mental deficiency.....	21	1	..	1
Without mental disorder.....	23	1	1	2
Total.....		12	2	14*
60-64 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	..	1	1
With cerebral arteriosclerosis.....	08	6	5	11
With other disturbances of circulation.....	09	1	1	2
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile.....	11	1	1	2
Involutional.....	12	..	1	1
Psychoneuroses.....	16	1	..	1
Dementia praecox (schizophrenia).....	18	2	3	5
Paranoia and paranoid conditions.....	19	..	1	1
Total.....		11	14	25*
65-69 Years:				
With cerebral arteriosclerosis.....	08	7	6	13
With other disturbances of circulation.....	09	3	..	3
Senile.....	11	1	1	2
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses.....	16	..	1	1
Manic-depressive.....	17	1	..	1
Dementia praecox (schizophrenia).....	18	2	5	7
Paranoia and paranoid conditions.....	19	..	1	1
Undiagnosed.....	22	1	..	1
Without mental disorder.....	23	..	1	1
Total.....		15	16	31*
70 Years and Over:				
With syphilitic meningo-encephalitis.....	01	1	..	1
With cerebral arteriosclerosis.....	08	20	18	38
With other disturbances of circulation.....	09	5	3	8
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile.....	11	19	26	45
Involutional.....	12	..	1	1
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses.....	16	..	1	1
Manic-depressive.....	17	2	1	3
Dementia praecox (schizophrenia).....	18	1	4	5
Paranoia and paranoid conditions.....	19	2	1	3
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	..	2	2
Undiagnosed.....	22	1	..	1
Total.....		51	60	111*
GRAND TOTAL.....		115	107	222*

**AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Under 15 Years:				
Without mental disorder.....	23	5	..	5
Total.....		5	..	5*
15-19 Years:				
With mental deficiency.....	21	2	..	2
Total.....		2	..	2*
20-24 Years:				
Dementia praecox (schizophrenia).....	18	1	..	1
With mental deficiency.....	21	..	1	1
Total.....		1	1	2*
25-29 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	..	1
Dementia praecox (schizophrenia).....	18	3	3	6
With mental deficiency.....	21	2	..	2
Without mental disorder.....	23	1	..	1
Total.....		9	3	12*
30-34 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	..	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Manic-depressive.....	17	..	1	1
Dementia praecox (schizophrenia).....	18	..	2	2
With mental deficiency.....	21	1	..	1
Undiagnosed.....	22	1	..	1
Total.....		5	3	8*
35-39 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With other disturbances of circulation.....	09	..	1	1
Due to convulsive disorder (epilepsy).....	10	1	2	3
Manic-depressive.....	17	..	1	1
Dementia praecox (schizophrenia).....	18	5	1	6
Total.....		7	5	12*
40-44 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	..	3
Due to convulsive disorder (epilepsy).....	10	3	1	4
Manic-depressive.....	17	..	1	1
Total.....		6	2	8*
45-49 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	1	4
With cerebral arteriosclerosis.....	08	1	1	2
Manic-depressive.....	17	2	..	2
Total.....		6	2	8*

**AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES—Continued**

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
50-54 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	..	1	1
With cerebral arteriosclerosis.....	08	6	2	8
Dementia praecox (schizophrenia).....	18	..	2	2
Total.....		6	5	11*
55-59 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	..	3
With other forms of syphilis of the cerebral nervous system.....	02	1	..	1
With cerebral arteriosclerosis.....	08	6	5	11
With other disturbances of circulation.....	09	1	1	2
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	3	..	3
Total.....		14	7	21*
60-64 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	2	..	2
With cerebral arteriosclerosis.....	08	4	8	12
With other disturbances of circulation.....	09	2	..	2
Senile	11	..	1	1
Due to new growth.....	14	1	..	1
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	2	1	3
Total.....		12	10	22*
65-69 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	..	3
With cerebral arteriosclerosis.....	08	9	3	12
With other disturbances of circulation.....	09	..	1	1
Senile	11	..	1	1
Manic-depressive	17	1	1	2
Dementia praecox (schizophrenia).....	18	3	..	3
Without mental disorder.....	23	1	..	1
Total.....		17	6	23*
70 Years and Over:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With cerebral arteriosclerosis.....	08	9	4	13
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	8	8	16
Dementia praecox (schizophrenia).....	18	..	3	3
With mental deficiency.....	21	1	..	1
Total.....		20	16	36*
Unascertained:				
Senile	11	1	..	1
Total.....		1	..	1*
GRAND TOTAL.....		111	60	171*

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL
White Race

PSYCHOSES	Code No.	Men	Women	Total
Less Than 1 Month:				
Due to alcohol.....	05	1	..	1
With cerebral arteriosclerosis.....	08	2	4	6
With other disturbances of circulation.....	09	1	2	3
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	3	2	5
Due to other metabolic, etc., diseases.....	13	2	..	2
Psychoneuroses	16	..	1	1
Without mental disorder.....	23	3	1	4
Total.....		12	11	23*
1-3 Months:				
With cerebral arteriosclerosis.....	08	8	9	17
With other disturbances of circulation.....	09	2	..	2
Senile	11	9	7	16
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Total.....		20	16	36*
4-7 Months:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With other forms of syphilis of the central nervous system.....	02	..	1	1
With epidemic encephalitis.....	03	..	1	1
Due to alcohol.....	05	1	..	1
With cerebral arteriosclerosis.....	08	11	2	13
With other disturbances of circulation.....	09	1	1	2
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	2	3	5
Involutional	12	1	..	1
Total.....		18	8	26*
8-12 Months:				
With syphilitic meningo-encephalitis (general paresis).....	01	..	1	1
With cerebral arteriosclerosis.....	08	7	4	11
Senile	11	4	1	5
Due to other metabolic, etc., diseases.....	13	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
With mental deficiency.....	21	..	1	1
Total.....		12	8	20*
1-2 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With cerebral arteriosclerosis.....	08	6	3	9
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	..	7	7
With mental deficiency.....	21	1	..	1
Total.....		9	11	20*
3-4 Years:				
With cerebral arteriosclerosis.....	08	5	7	12
With other disturbances of circulation.....	09	2	1	3
Due to convulsive disorder (epilepsy).....	10	1	1	2
Senile	11	3	4	7
Psychoneuroses	16	1	..	1
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	2	1	3
Total.....		15	14	29*

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL—Continued
White Race

PSYCHOSES	Code No.	Men	Women	Total
5-6 Years:				
With cerebral arteriosclerosis.....	08	1	2	3
Due to convulsive disorder (epilepsy).....	10	..	3	3
Senile	11	..	3	3
Due to other metabolic, etc., diseases.....	13	..	1	1
Psychoneuroses	16	..	1	1
With mental deficiency.....	21	1	..	1
Total.....		2	10	12*
7-8 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With cerebral arteriosclerosis.....	08	2	..	2
With other disturbances of circulation.....	09	1	..	1
Manic-depressive	17	1	..	1
Total.....		5	..	5*
9-10 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With cerebral arteriosclerosis.....	08	..	1	1
With other disturbances of circulation.....	09	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	..	1	1
Manic-depressive	17	1	1	2
Total.....		2	4	6*
11-12 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
Involuntal	12	..	1	1
Dementia praecox (schizophrenia).....	18	2	..	2
Paranoia and paranoid conditions.....	19	..	1	1
Undiagnosed	22	2	..	2
Total.....		5	2	7*
13-14 Years:				
Paranoia and paranoid conditions.....	19	..	2	2
With mental deficiency.....	21	1	1	2
Total.....		1	3	4*
15-19 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Involuntal	12	..	1	1
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	1	2	3
Paranoia and paranoid conditions.....	19	2	..	2
Total.....		6	4	10*
20 Years and Over:				
Senile	11	..	1	1
Manic-depressive	17	2	..	2
Dementia praecox (schizophrenia).....	18	6	12	18
With psychopathic personality.....	20	..	1	1
With mental deficiency.....	21	..	1	1
Without mental disorder.....	23	..	1	1
Total.....		8	16	24*
GRAND TOTAL.....		115	107	222*

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL
Negro Race

PSYCHOSES	Code No.	Men	Women	Total
Less Than 1 Month:				
With syphilitic meningo-encephalitis (general paresis).....	01	4	..	4
With cerebral arteriosclerosis.....	08	10	2	12
With other disturbances of circulation.....	09	2	..	2
Due to convulsive disorder (epilepsy).....	10	1	..	1
Senile	11	2	2	4
Due to new growth.....	14	1	..	1
Manic-depressive	17	..	2	2
Dementia praecox (schizophrenia).....	18	..	1	1
Undiagnosed	22	1	..	1
Without mental disorder.....	23	2	..	2
Total.....		23	7	30*
1-3 Months:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	1	4
With cerebral arteriosclerosis.....	08	6	6	12
With other disturbances of circulation.....	09	..	1	1
Senile	11	..	2	2
Without mental disorder.....	23	1	..	1
Total.....		10	10	20*
4-7 Months:				
With syphilitic meningo-encephalitis (general paresis).....	01	4	1	5
With other forms of syphilis of the central nervous system.....	02	1	..	1
With cerebral arteriosclerosis.....	08	7	2	9
Senile	11	5	1	6
Dementia praecox (schizophrenia).....	18	1	..	1
With mental deficiency.....	21	2	..	2
Total.....		20	4	24*
8-12 Months:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	..	3
With cerebral arteriosclerosis.....	08	4	2	6
Senile	11	1	2	3
Dementia praecox (schizophrenia).....	18	1	..	1
Without mental disorder.....	23	1	..	1
Total.....		10	4	14*
1-2 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	3	..	3
With cerebral arteriosclerosis.....	08	4	5	9
Due to convulsive disorder (epilepsy).....	10	..	1	1
Senile	11	..	2	2
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	..	3	3
With mental deficiency.....	21	1	1	2
Without mental disorder.....	23	2	..	2
Total.....		10	13	23*
3-4 Years:				
With cerebral arteriosclerosis.....	08	2	4	6
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	2	..	2
Manic-depressive	17	..	1	1
Dementia praecox (schizophrenia).....	18	5	..	5
Total.....		10	5	15*

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL—Continued

Negro Race

PSYCHOSES	Code No.	Men	Women	Total
5-6 Years:				
Due to convulsive disorder (epilepsy).....	10	2	..	2
Senile	11	1	1	2
Dementia praecox (schizophrenia).....	18	..	1	1
Total.....		3	2	5*
7-8 Years:				
With cerebral arteriosclerosis.....	08	1	2	3
With other disturbances of circulation.....	09	1	..	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Manic-depressive	17	2	..	2
Dementia praecox (schizophrenia).....	18	..	1	1
With mental deficiency.....	21	1	..	1
Total.....		5	4	9*
9-10 Years:				
With other disturbances of circulation.....	09	..	1	1
Due to convulsive disorder (epilepsy).....	10	..	1	1
Due to unknown or hereditary cause but associated with organic change.....	15	1	..	1
Total.....		1	2	3*
11-12 Years:				
With other disturbances of circulation.....	09	1	1	2
Dementia praecox (schizophrenia).....	18	1	..	1
Total.....		2	1	3*
13-14 Years:				
Without mental disorder.....	23	1	..	1
Total.....		1	..	1*
15-19 Years:				
With syphilitic meningo-encephalitis (general paresis).....	01	1	..	1
Manic-depressive	17	1	1	2
Dementia praecox (schizophrenia).....	18	1	..	1
With mental deficiency.....	21	2	..	2
Total.....		5	1	6*
20 Years and Over:				
With cerebral arteriosclerosis.....	08	1	..	1
Due to convulsive disorder (epilepsy).....	10	1	1	2
Manic-depressive	17	1	..	1
Dementia praecox (schizophrenia).....	18	8	6	14
Total.....		11	7	18*
GRAND TOTAL.....		111	60	171*

LABORATORY OF TROPICAL DISEASES

ANNUAL REPORT 1950-1951

Dr. Cleve C. Odom, Superintendent
South Carolina State Hospital
Columbia, South Carolina

Dear Dr. Odom:

The annual report of the Laboratory of Tropical Diseases, National Institutes of Health, U. S. Public Health Service, in conjunction with the South Carolina State Hospital for the year ending June 30, 1951, is respectfully presented.

As indicated in the last annual report, an active program of investigations was begun on parasitic diseases especially related to institutions such as mental hospitals. Research work on malaria and its use in the treatment of neurosyphilis was continued.

During the year, we have had specialists and trainees from this country and abroad visit the laboratory for observation and instruction in the type of investigation being pursued at the laboratory. Foreign countries represented were Turkey, Philippines, Pakistan, India, Formosa, Ceylon, Belgian Congo, and Iran.

The laboratory continues to act as a national center for the distribution of therapeutic strains of malaria to treat neurosyphilis. During the year 209 inocula were shipped to hospitals and physicians requesting this service. In addition, information was supplied on the use of malaria in the treatment of neurosyphilis.

Summary of Research

The therapy of intestinal parasites. Experiments were repeated using oral emetine hydrochloride against *Trichuris trichiura*. The results confirmed the work reported several years ago by Drs. Burrows, Morehouse, and Freed that this is an effective drug against this parasite. Efforts are underway to determine a method for retaining this efficacy while reducing the side effects caused by the drug.

Hetrazan showed promise against *Ascaris lumbricoides* (round worm) but not against other intestinal worms.

The treatment of malaria with single doses of drugs. A number of cases of *Plasmodium malariae* treated with single intramuscular injections of 450 mgm. of chloroquine dihydrochloride

showed satisfactory response. The results were equivalent to those obtained by a three-day treatment when the drug was given by mouth.

The biology of the eye gnat. A detailed report was published concerning the eye gnat (*Hippelates pusio*) which added considerable knowledge on the life history and breeding habits of this insect, which is considered an important disease vector in certain areas.

Structure of malaria and trypanosome parasites. Cytological work upon these important blood parasites continued. Additional evidence was obtained upon the number of chromosomes present and the process of division.

Mosquito transmission of malaria. Various species of anopheline mosquitoes were tried against different strains of malaria. It was further demonstrated that species of mosquitoes vary widely in their vectoral ability. The place of origin of malaria strains can influence greatly the infectivity of those strains to recognized insect vectors.

Papers Published

The technical information on the above projects is contained in the published papers. Copies of these reports may be obtained from the laboratory upon request. The papers published during the year were:

1950—

Burgess, R. W., and Young, M. D.

"The Comparative Susceptibility of *Anopheles quadrimaculatus* and *Anopheles freeborni* to Infection by *Plasmodium vivax* (St. Elizabeth Strain). Jour. Nat. Mal. Soc. 9(3): 218-221. September.

Wilcox, A., Tomlinson, T. H., Jr., and Ballard, M. D.

"A Morphological Alteration in *Plasmodium gallinaceum*." Jour. Nat. Mal. Soc. 9(3):249-255. September.

Eyles, D. E., and Young, M. D.

"The Comparative Susceptibility of *Anopheles Albimanus* and *Anopheles quadrimaculatus* to a South Carolina Strain of *Plasmodium falciparum*." Jour. Inf. Dis. 87(2):189-193.

Edgcomb, J. H., Arnold, J., Yount, E. H., Jr., Alving, A. S., Eichelberger, L., Jeffery, G. M., Eyles, D. E., and Young, M. D.

"Primaquine, SN 13272, A New Curative Agent in *Vivax* Malaria: A Preliminary Report." Jour. Nat. Mal. Soc. 9(4):285-292. December.

Jeffery, G. M., Eyles, D. E., and Young, M. D.

"The Comparative Susceptibility of *Anopheles quadrimaculatus* and Two Strains of *Anopheles albimanus* to a Panama Strain of *Plasmodium falciparum*." Jour. Nat. Mal. Soc. 9(4):349-355. December.

Coatney, G. R., Cooper, W. C., and Young, M. D.

"SHM XXX. A Summary of 204 Sporozoite-Induced infections with the Chesson Strain of *Plasmodium vivax*." Jour. Nat. Mal. Soc. 9(4): 4381-296. December.

1951—

Burgess, R. W.

"The Life History and Breeding Habits of the Eye Gnat, *Hippelates pusio* Lowe, in Coachella Valley, Riverside County, California." Amer. Jour. Hyg. 53(2):164-177.

In addition to the Director, the members of the staff are: Dr. Robert W. Burgess, entomologist; Dr. Gordon B. Wolcott, cytologist; Miss Aimee Wilcox, protozoologist; Mr. William M. May, parasitologist (medical); Mrs. Julia S. Cole, medical technician (parasitology); Miss Helen C. Russell, Mr. J. C. Skinner, Miss Johanna B. Odenkirchen, and Mr. E. Kenneth Dukes, medical biology technicians; Miss Mary H. Loudon, statistical clerk; Miss Ada P. Hall, procurement clerk; Mrs. Mary N. Schwinn, secretary; Miss Connie Karnazes, stenographer; and John Sharp-er, Jr., laboratory animal caretaker.

Dr. Arne V. Hunninen, of Mt. Union College, Alliance, Ohio, was a visiting investigator during the summers of 1950 and 1951.

Respectfully submitted

MARTIN D. YOUNG,
Director.

DEPARTMENT OF MENTAL HYGIENE

PERSONNEL

Cleve C. Odom, M.D.	State Mental Health Authority
Mattie F. Dixon	Personnel Secretary
Thelma R. Hallman	Clerk

Charleston Clinic

Olin B. Chamberlain, M.D.	Director
James Jennings Cleckley, M.D.	Psychiatrist
Margaret W. Guerard	Chief Psychiatric Social Worker
Elizabeth Bonnoitt	Psychiatric Social Worker
*Frances M. Reves	Mental Hygiene Case Worker
Nathalie G. Wilson	Psychometrist
*Louise Perry	Electroencephalograph Technician
Harriet Stevens	Secretary-Receptionist
*Loraine H. Kendrick	Clerk

Spartanburg Clinic

*Samuel R. Kilgore, M.D.	Psychiatrist
*J. A. Ritchie, M.D.	Psychiatrist
Kate S. Bumstead	Chief Psychiatric Social Worker
Vardell F. Harrell	Secretary-Receptionist
Sarah S. Turner	Clerk
Martha R. Westrope	Psychologist

(Employed July 1950-February 1951)

Greenville Clinic

*Iverson O. Brownell, M.D.	Psychiatrist
*J. A. Ritchie, M.D.	Psychiatrist
*Robert V. Heckel	Psychologist
Ada F. Walker	Psychiatric Social Worker
Florence Umbach	Chief Clerk

* Part time

DEPARTMENT OF MENTAL HYGIENE

*To the Board of Regents of the South Carolina State Hospital
Columbia, South Carolina:*

Gentlemen:

I have the honor to submit the annual report of the Department of Mental Hygiene, South Carolina State Hospital, for the fiscal year ending June 30, 1951:

The most important development in the progress of the Department of Mental Hygiene during the past year was the beginning of the Greenville Mental Hygiene Clinic. This clinic had its beginning in 1949 when Dr. Brownell was employed on a consultative basis. Dr. Brownell was made the director of the clinic and gives two half-days a week to the clinic. Mrs. Ada F. Walker returned to our department after one year of training under our program and took over her duties as psychiatric social worker in the Greenville Clinic. The clinic was opened on September 18, 1950. A psychologist was employed soon thereafter and the clinic was in full operation. In December 1950, the clinic obtained the services of another psychiatrist, Dr. J. A. Ritchie, one day a week.

Beginning in January, 1951, Dr. Ritchie gave the Spartanburg Mental Hygiene Clinic one day a week. Spartanburg lost the services of their psychologist in February, 1951, when Miss Martha Westrope was accepted for additional training in the field of psychology. Contact was made with Mrs. Alma L. Small, psychiatric social worker, to be employed effective July 1, 1951.

The Charleston Mental Hygiene Clinic is still operating on a full-time basis and is continuing its excellent work.

Efforts are constantly being made to secure additional professional personnel. Particular emphasis is being placed upon securing personnel to staff a clinic in Columbia, however, it has been impossible up to the present time.

The central office is continuing to serve the public with books, films and pamphlets. In December, 1950, a clerk, Mrs. Thelma Hallman, was employed to assist with these expanding services. The books in the Mental Hygiene Library have been catalogued and approximately five thousand copies of the bibliography have been distributed throughout the State. Lists of the pamphlets have been distributed to key personnel throughout the State. The health educators of the State Board of Health have been of

considerable assistance in disseminating information and materials. Nine packets of pamphlets were made up on different subjects and have been placed in the library for distribution on a loan basis. These packets have already proved to be very popular. The film library included twelve films at the beginning of the year. New films have been added and the total at the end of the year is twenty-six different films. The films were used 481 times in the fiscal year 1950-51.

The training program is continuing with three psychologists and one psychiatric social worker in training. It is anticipated that two of the psychologists will return for duty with the department during the fiscal year 1951-52.

The following statistical material indicates to some extent the work done in the clinics during the year.

APPLICATIONS BY THE MONTH

1950 - 1951

	Charleston Clinic	Spartanburg Clinic	Greenville Clinic
July	89	13	---
August	53	20	---
September	54	8	32
October	75	14	40
November	63	11	24
December	53	6	16
January	52	12	27
February	54	9	25
March	41	11	17
April	58	7	15
May	52	8	28
June	36	3	24
Total	680	122	248

SOURCES OF REFERRAL

1950 - 1951

	Charleston Clinic	Spartanburg Clinic	Greenville Clinic
Physicians	289	37	84
Department of Public Welfare	88	8	27
Schools	93	10	19
Courts	44	6	30
Family Welfare Agency.....	19	1	13
Department of Public Health	13	24	3
Parents, Relatives, Guardians, Self	16	30	58
Others	118	6	14
	<hr/>	<hr/>	<hr/>
Total.....	680	122	248

Respectfully submitted

CLEVE C. ODOM, M.D.

State Mental Health Authority